

Design and Implementation of a Free Blended Learning Platform Named Knowledge Fight for Students

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Supervised By:

Afifa Hossain

Submitted in partial fulfillment of the requirements for the degree of Bachelor of Science in Computer Science and Engineering



**DEPARTMENT OF COMPUTER SCIENCE AND ENGINEERING
SONARGAON UNIVERSITY (SU)**

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APPROVAL

The project titled “**Design and Implementation of a Free Blended Learning Platform Named Knowledge Fight for Students**” submitted by Md Nafew Hasan Khan (CSE1901016106), Abdullah Al Mamun (CSE1901016088), Kazi Mahamuda Sultana Orni (CSE1901016047) and Shakil Ahmed (CSE1901016101) to the Department of Computer Science and Engineering, Sonargaon University (SU), has been accepted as satisfactory for the partial of the requirements for the degree of Bachelor of Science in Computer Science and Engineering and approved as to its style and contents

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DECLARATION

We, hereby, declare that the work presented in this report in the outcome of the investigation performed by us under the supervisor of **Afifa Hossain**, Lecturer, Department of Computer Science and Engineering, Sonargaon University, Dhaka, Bangladesh We reaffirm that no part of this project and there of has been or is being submitted elsewhere for the award of any degree of diploma or BSc

Countersigned

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ABSTRACT

Knowledge Fight is probably best described as a good start. It's intuitive, with plenty of genuinely useful features for teachers and students. Knowledge Fight is a free web service, developed by listed us for schools, that aims to simplify creating, distributing, and grading assignments in a paperless way. But it's also not a robust tool to replace a full-featured learning management system. The primary purpose of Knowledge Fight is to streamline the process of sharing files between teachers and students. Knowledge Fight is, without a doubt, great for remote learning, paperless assignment submission, and class updates. And reusing assignments and rubrics easily allows teachers more time to focus on student learning.

ACKNOWLEDGMENT

At the very beginning, we would like to express my deepest gratitude to the Almighty Allah for giving us the ability and the strength to finish the task successfully within the schedule time

We are auspicious that we had the kind association as well as supervision of **Afifa Hossain** Lecturer of Computer Science and Engineering, Sonargaon University whose hearted and valuable support with best concern and direction acted as necessary recourse to carry out our project

We would like to convey our special gratitude to **Prof Dr Md Alamgir Hossain**, Dean, Faculty of Science and Engineering for his kind concern and precious suggestions

We are also thankful to all our teachers during our whole education, for exposing us to the beauty of learning

Finally, our deepest gratitude and love to my parents for their support, encouragement, and endless love

LIST OF ABBREVIATIONS

CSS	Cascading Style Sheets
HTML	Hyper Text Markup Language
IDE	Integrated Development Environment
LMS	Learning Managment System
RAM	Random Access memory
ROM	Read Memory Only
SSD	Solid State Drive
LMS	Learning Managment System

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CHAPTER 01

INTRODUCTION OF KNOWLEDGE FIGHT

11 Objective

Knowledge Fight is a learning management system -that aims to simplify creating, distributing, and marking assignments and engaging students in learning online or remotely. It's a free platform for educators. It uses a scaled-down approach to give teachers the things they need to communicate with students, organize class events and materials, and keep records. This Learning Management System (LMS) is made by us. This application provides a central location to communicate with students, ask questions, and make assignments. In an increasingly digital world, Knowledge Fight helps facilitate online learning for digital learners today.

12 Purpose

You can use Knowledge Fight in your school on time assignments, boost collaboration, and foster communication. This is Online on the web.

13 Benefit

Basically, online exams are good, convenient, and cost-effective. Not only is there less time between the setting of the 'paper', but it also saves students time by eliminating the time it takes to travel to and from examination locations, then wait for the papers to be handed out and collected.

However, it also depends a lot on external factors such as Internet quality, technical equipment, etc. Online base learning has some Advantages too, Given Below

- Flexibility...
- Reduced Costs...
- More Free Time...
- Increased Course Variety
- Career Advancement Opportunities
- Increased Collaboration
- Personalized Education
- Enhanced Time Management Skills

131 Comforts Way

The online mode is easier for both students and teachers in many ways. With an online setup, the students can give their tests from the comfort of their homes. This reduces stress and saves time. Online exams also benefit teachers since they save time from preparing piles of exam sheets. In this digital era, we are all students. We have minimum one smart device as like mobile and computer. As always, We are doing class in

a fix or bind time Through this knowledge Fight web we can attend any time in class and Remotely submit our project to our teacher or tutor As we all observed during this Covid-19 outbreaks the importance of google classroom

14 Aim of Project

Knowledge Fight MCQ exam system or Multiple Choice Question is a very important part of our country's existing exam system The conventional textbook doesn't have enough sample questions and doesn't provide any sort of practicing exercise In this digitalized era, all of the students have access to a digital device like a Smart Phone or Computer This online based MCQ system provide them a way to practice and compete in a platform just like any other multiplayer online gaming platform Also, there are social platform embedded with the system so that the user can send and accept the friend request and chat with them

15 Overview

Schools of all levels and sizes face numerous challenges in organizing communications between administrators, teachers, students, and parents Student information, exam and other administrative tasks can be overwhelming, especially at medium and large educational institutions Knowledge Fight Web can automate these tasks and reduce administrative and personnel requirements We can demonstrate our need of the school management website as like the points given below;

CHAPTER 02

METHODOLOGY OF SOFTWARE PROCESS

21 Objective:

Methodology refers to the overarching strategy and rationale of your research project. It involves studying the methods used in your field and the theories or principles behind them, in order to develop an approach that matches your objectives.

The methodology is the general research strategy that outlines the way in which research is to be undertaken and, among other things, identifies the methods to be used in it. These methods, described in the methodology, define the means or modes of data collection or, sometimes, how a specific result is to be calculated.

Methodology does not define specific methods, even though much attention is given to the nature and kinds of processes to be followed in a particular procedure or to attain an objective.

A methodology does not set out to provide solutions; it is therefore, not the same as a method. Instead, a methodology offers the theoretical underpinning for understanding which method, set of methods, or best practices can be applied to a specific case, for example, to calculate a specific result.

There are various types of methodology. Online. However, we choose to use AGILE method for our project Online Based Knowledge Fight Classroom.

211 System Analysis:

Systems analysis is a process of looking at end-user implementation of a software package or product; looking in-depth at source code to define the methodologies used in building software; or taking feasibility studies and other types of research to support the use and production of a software product, among other things. Methodologies used in building software; or taking feasibility studies and other types of research to support the use and production of a software product, among other things. System analysis is a process of gathering and interpreting facts, diagnosing problems and the information to recorded improvements on the system. It is a problem solving activity that requires intensive communication between the system user and system developer. System analysis or study is an important phase of any system development process. A detailed study of the process must be made by various techniques like interviews, questionnaires etc. The data collected by these sources must be scrutinized to arrive to conclusion every synthesis is built upon the results of a preceding analysis and every analysis requires a subsequent.

22 About Agile :

One of the more recognizable project management methodologies, Agile is best suited for projects that are iterative and incremental. It's a type of process where demands and solutions evolve through the collaborative effort of self-organizing and cross-functional teams and their customers. Originally created for software development, it was established as a response to the inadequacies of the Waterfall method.

(info on it later below), the processes of which did not meet the demands of the highly competitive and constant movement of the software industry

Agile project management stems from the values and principles of the Agile Manifesto A declaration cemented in 2001 by 13 industry leaders, its purpose is to uncover better ways of developing software by providing a clear and measurable structure that fosters iterative development, team collaboration, and change recognition

221

There are some specific values and principles in Agile Method Those are given Below:

Values:

- 1 Working software over comprehensive documentation
- 2 Individuals and interactions over processes and tools
- 3 Customer collaboration over contract negotiation
- 4 Responding to change over following a plan

Principles:

- 1 Customer satisfaction through early and continuous software delivery
- 2 Accommodate changing requirements throughout the development process
- 3 Attention to technical detail and design enhances agility
- 4 Simplicity
- 5 Working software is the primary measure of progress
- 6 Agile processes to support a consistent development pace
- 7 Enable face-to-face interactions
- 8 Support, trust, and motivate the people involved
- 9 Frequent delivery of working software
- 10 Collaboration between the business stakeholders and developers throughout the project

Because of its addictiveness, Agile methodology is commonly used to deliver more complex projects It uses six main deliverables to track progress and create the product which are the product vision statement, product road map, product backlog, release plan, Sprint backlog, and increment With these features, it establishes itself as a methodology that places an emphasis on collaboration, flexibility, continuous improvement, and high quality results



Fig : 221

This methodology works in a very simple way by breaking down the Project into smaller part and continuously delivering them in a cycle called iterations

23 Reason of Using Agile Methodology:

Software project management is a discipline where we may need to coordinate many various projects of different scope and deal with different customers who need different results Naturally, we will not be able to use the same management methods for delivering a basic application developed by a team of four and a complex software solution which needs professionals from various departments

Besides, most customers will require us to yield results along the project, so that they can see what kind of product they will get at the end To be a successful project manager, we need to

master different software delivery methodologies Basically, there are two of them widely used in software development: Waterfall and Agile

Agile Manifesto was put together back in 2001 by a group of developers utilizing different delivery methods Eleven years after, a study by the Standish group was conducted showing that Agile methods yield successful projects three times more often compared to the traditional Waterfall projects The gist of Agile trade is to continually develop shippable software pieces to our client Along the way, our client monitors progress, gives feedback and supervises direction of your work Unlike Waterfall methodology which takes a rigid, sequential structure, Agile methods are more flexible and involve constant cooperation with the client

24 Advantages of Agile Method:

- ⑩ More flexibility More productivity
- ⑩ More transparency
- ⑩ Products of superior quality
- ⑩ Decreased risk of missed goals
- ⑩ Faster implementation of solutions
- ⑩ Waste reduction thanks to the minimization of the resources
- ⑩ Greater flexibility and adaptability to change
- ⑩ More success thanks to more focused efforts
- ⑩ Faster delivery times
- ⑩ Faster detection of problems and defects; Optimized development processes
- ⑩ A lighter/less complicated structure
- ⑩ Excellent project control
- ⑩ Greater attention to specific customer need
- ⑩ Increased collaboration frequency and feedback

25 Disadvantages of Agile Method:

- ⑩ In case of some software deliverables, especially the large ones, it is difficult to assess the effort required at the beginning of the software development life cycle
 - ⑩ There is lack of emphasis on necessary designing and documentation
 - ⑩ The project can easily get taken off track if the customer representative is not clear what final outcome that they want
 - ⑩ Only senior programmers are capable of taking the kind of decisions required during the development process Hence it has no place for newbie programmers, unless combined with experienced resources

CHAPTER 03

SYSTEM IMPLEMENTATION

31_Requirement Specification:

nodejs

nodejs is an open-source, cross-platform JavaScript runtime environment and library for running web applications outside the client's browser

It is used for server-side programming, and primarily deployed for non-blocking, event-driven servers, such as traditional websites and back-end API services, but was originally designed with real-time, push-based architectures in mind

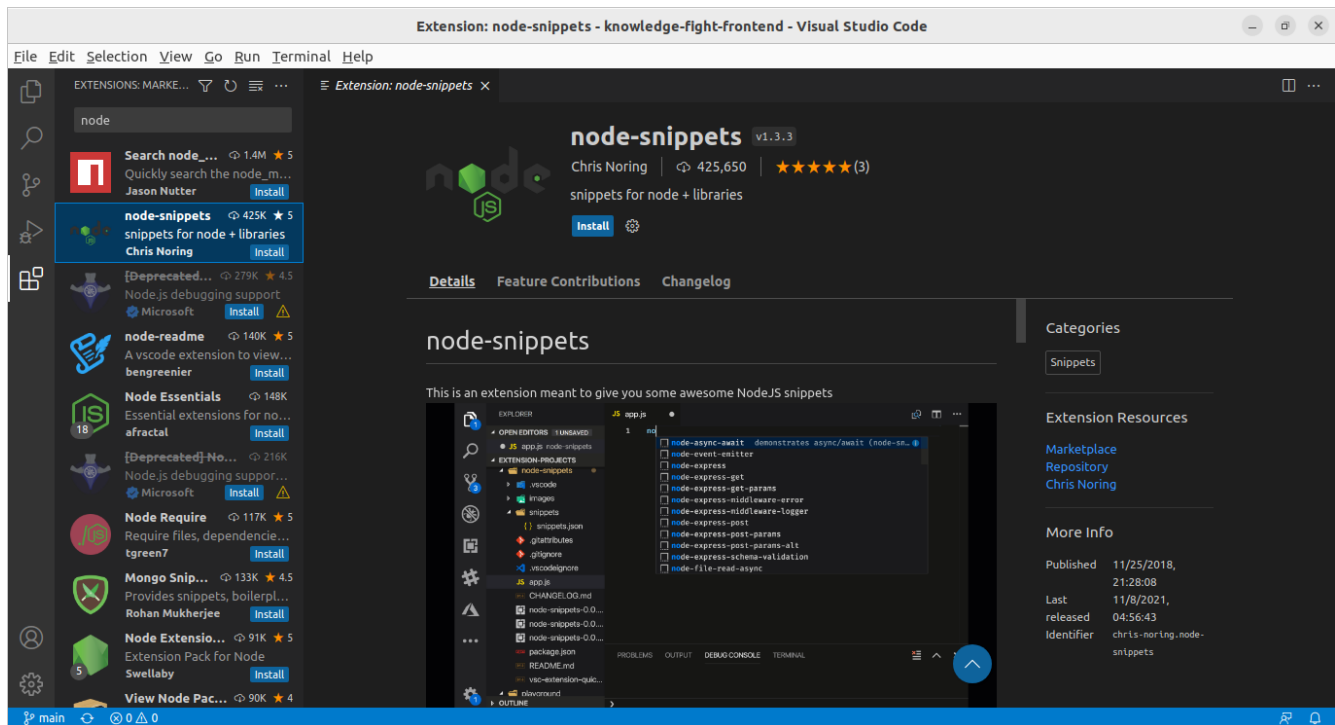


Fig: 31

311

npm

As we all know, npm is the package manager for the Node JavaScript platform. It puts modules in place so that node can find them, and manages dependency conflicts intelligently. It is extremely configurable to support a wide variety of use cases. Most commonly, it is used to publish, discover, install, and develop node programs.

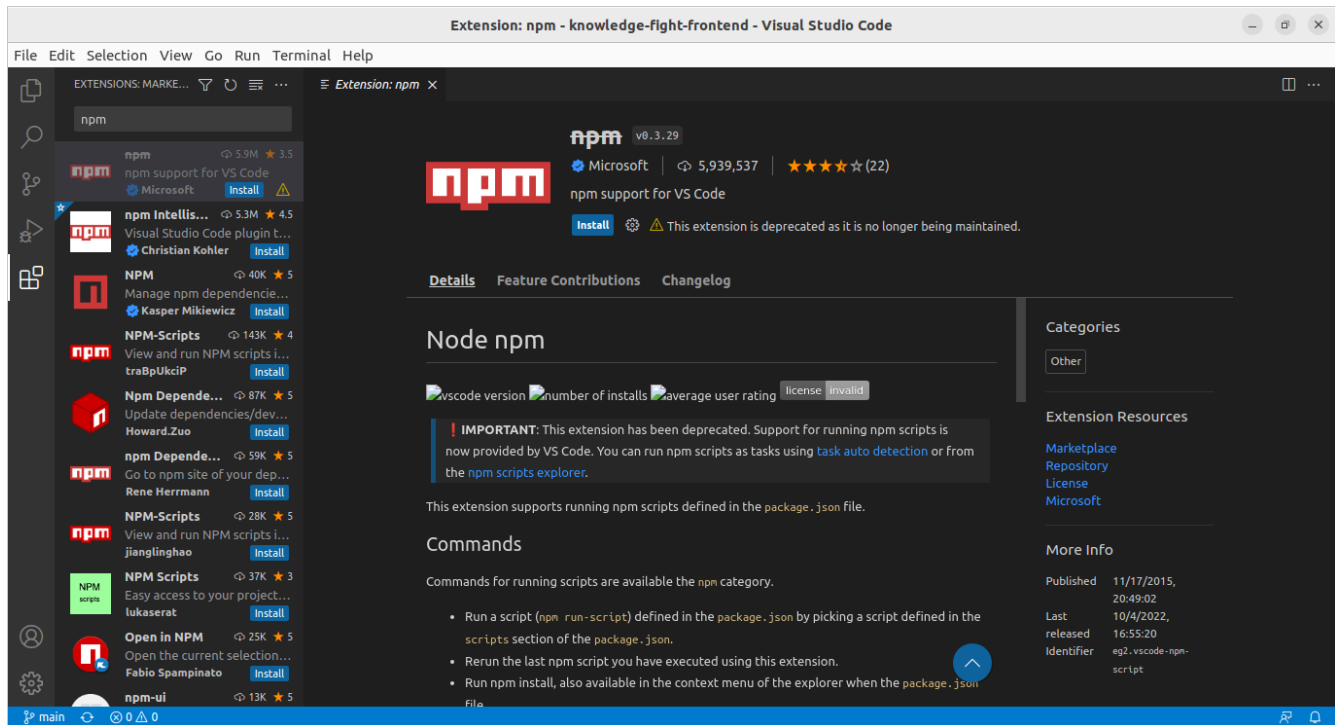


Fig: 311

ReactJS is one of the most popular JavaScript libraries for mobile and web application development Created by Facebook, React contains a collection of reusable JavaScript code snippets used for user interface (UI) building called components It's important to note that ReactJS is not a JavaScript framework

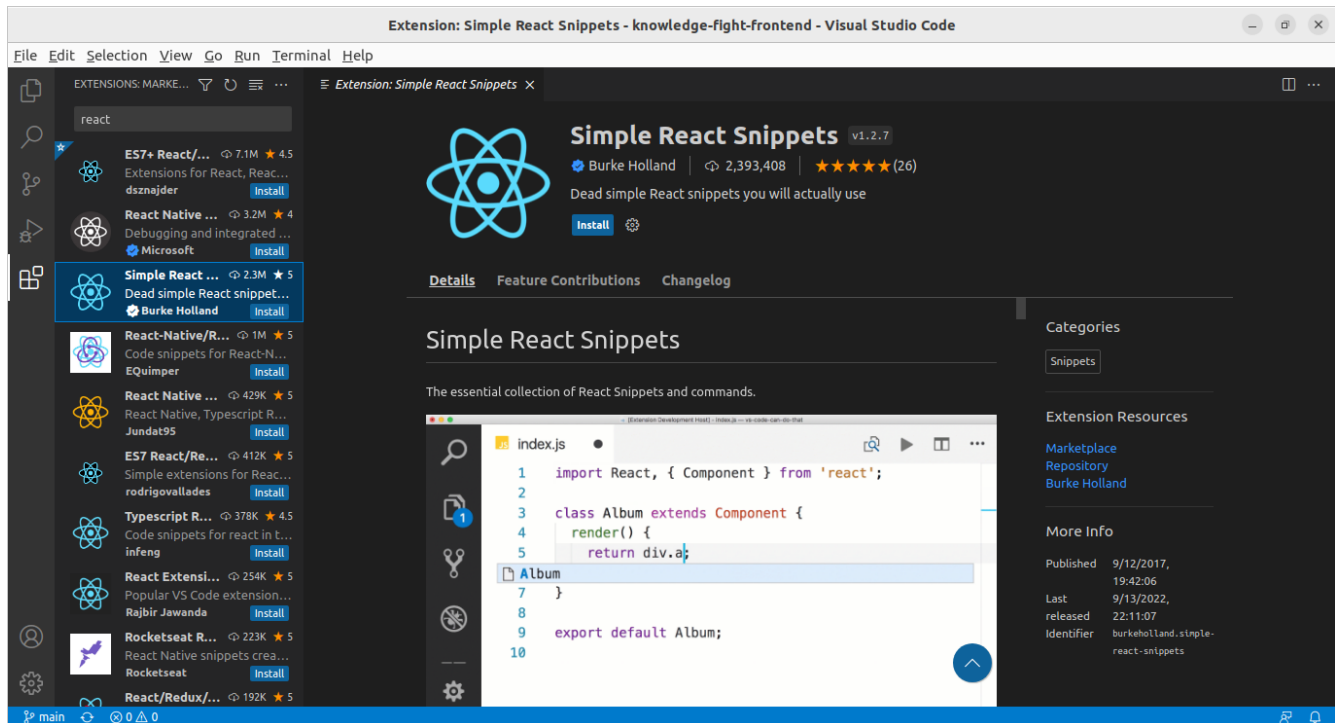


Fig:312

To run this project:

There need to install Node js to confirm the installation we have to write cmd in node --version command then if it will show us the version we can confirm the install of node js

then write command npm install create-react-app after completing the react create-app we have to create new create react app the command of react are given below

- 1- npx create-react-app appName
- 2- cd appName
- 3- npm start

then it will open default port localhost:3000

now there need to enter following URL in browser installed in the pc
<https://localhost:3000>

we have built this project where we used:

- 1- Visual Studio Code
- 2- CSS
- 3- Bootstrap
- 4- Material-ui
- 5- JavaScript
- 6- React
- 7- Node Js
- 8- Express js
- 9- MongoDB

To Start Our Project

```
Windows PowerShell
Microsoft Windows [Version 10.0.19044.2486]
(c) Microsoft Corporation. All rights reserved.

D:\client-project\3.knowledge-fight\knowledge-fight-frontend>node --version
v14.15.1

D:\client-project\3.knowledge-fight\knowledge-fight-frontend>npm start

> knowledge-fight-frontend@0.1.0 start D:\client-project\3.knowledge-fight\knowledge-fight-frontend
> react-scripts start

i @wds@: Project is running at http://192.168.56.1/
i @wds@: webpack output is served from
i @wds@: Content not from webpack is served from D:\client-project\3.knowledge-fight\knowledge-fight-frontend\public
i @wds@: 404s will fallback to /
Starting the development server...

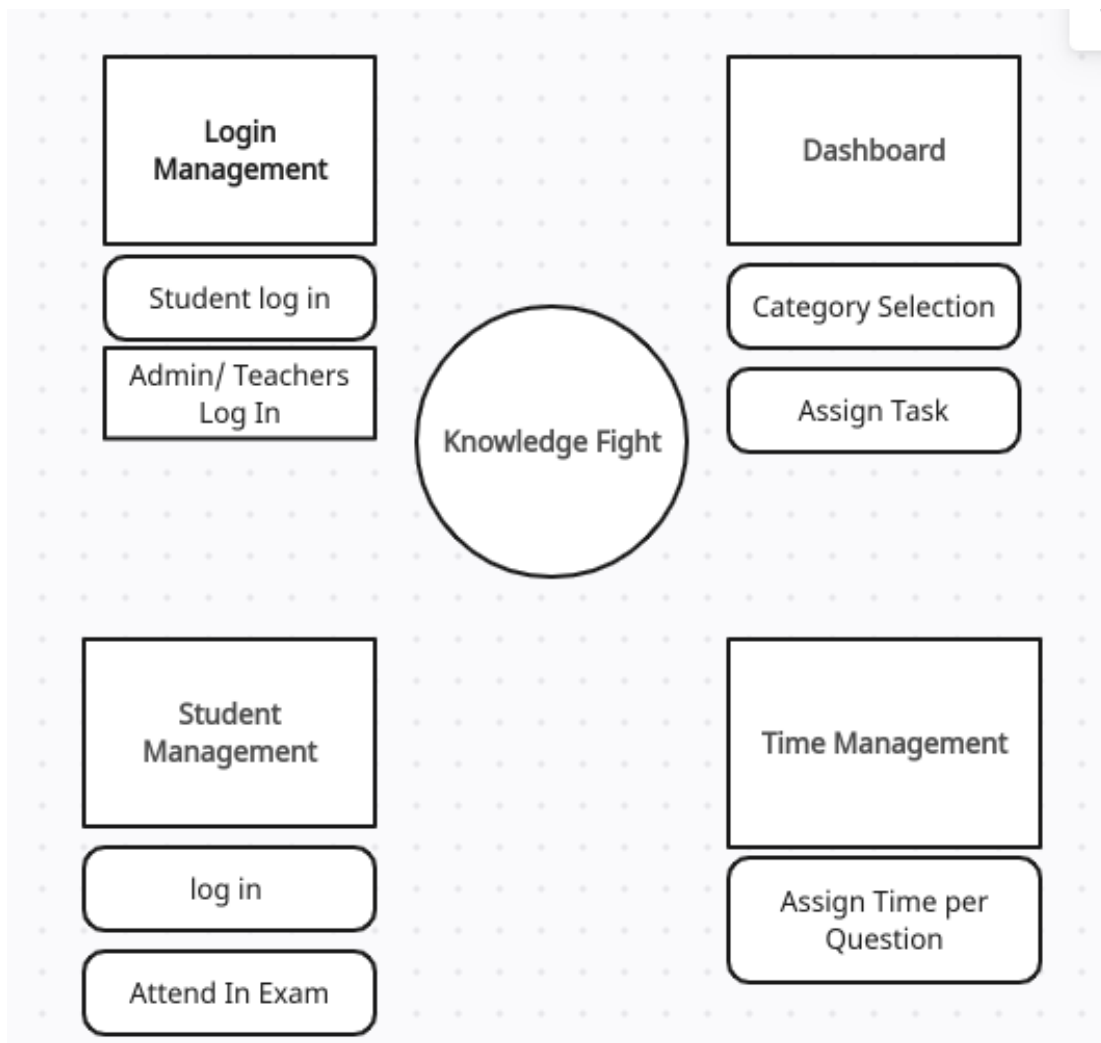
Browserslist: caniuse-lite is outdated. Please run:
  npx browserslist@latest --update-db
  Why you should do it regularly: https://github.com/browserslist/browserslist#browsers-data-updating
Compiled with warnings.

src\Components\AboutSubject\AboutSubject.js
  Line 16:8:  React Hook useEffect has a missing dependency: 'subject'. Either include it or remove the dependency array
  react-hooks/exhaustive-deps

src\Components\Assignment\Assignment.js
  Line 17:8:  React Hook useEffect has a missing dependency: 'subject'. Either include it or remove the dependency array
  react-hooks/exhaustive-deps
```

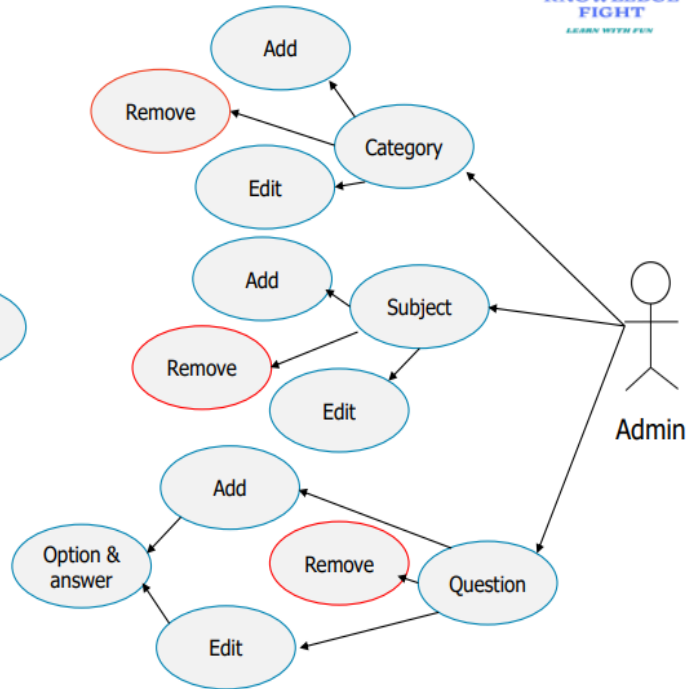
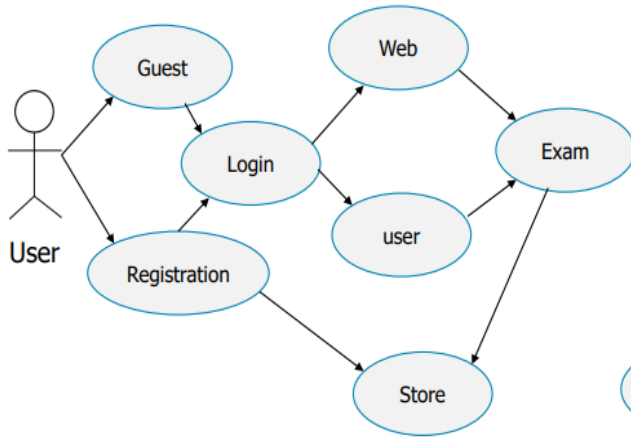
Fig:313

32 System Flowchart:



33 Use Case Modeling :

Use Case Diagram:



CHAPTER 04

BACKGROUND STUDY

41 Discussion with Client



Fig:41

Before making this project we had to discuss with some teachers that what is their requirement? Why they need this site, what are the feature they only want? Good client communication often involves actively listening to your customers to interpret their emotions and better cater to their needs. Being transparent with a client helps facilitate trust. Customers may appreciate learning more about the production process so they can shop consciously.

We did this thing only because there are so many Website at the market for sell but those are may have more feature that for the school of suburb area and those will cost them much more where they don't want to invest. Client communication is important because it establishes and maintains trust between the client and the business.

When customers trust a brand, they may be more likely to remain loyal. Open client communication can also help limit misunderstandings, lead to greater customer satisfaction and make clients more likely to recommend a business to others. So this was crucial for us to take this project though this had been created before so many time. Having adaptable solutions for communicating can strengthen the relationship between the client and us. When a change occurs, flexibility helps both parties continue to communicate.

The clients are eager to implement this system at their schools for save time management if it costs in a budget range like 20 to 30 thousands BDT. Also they want this thing in a very simple way that they can use. So This step of work were fruitful for this project.

42 Discussion with Supervisor:

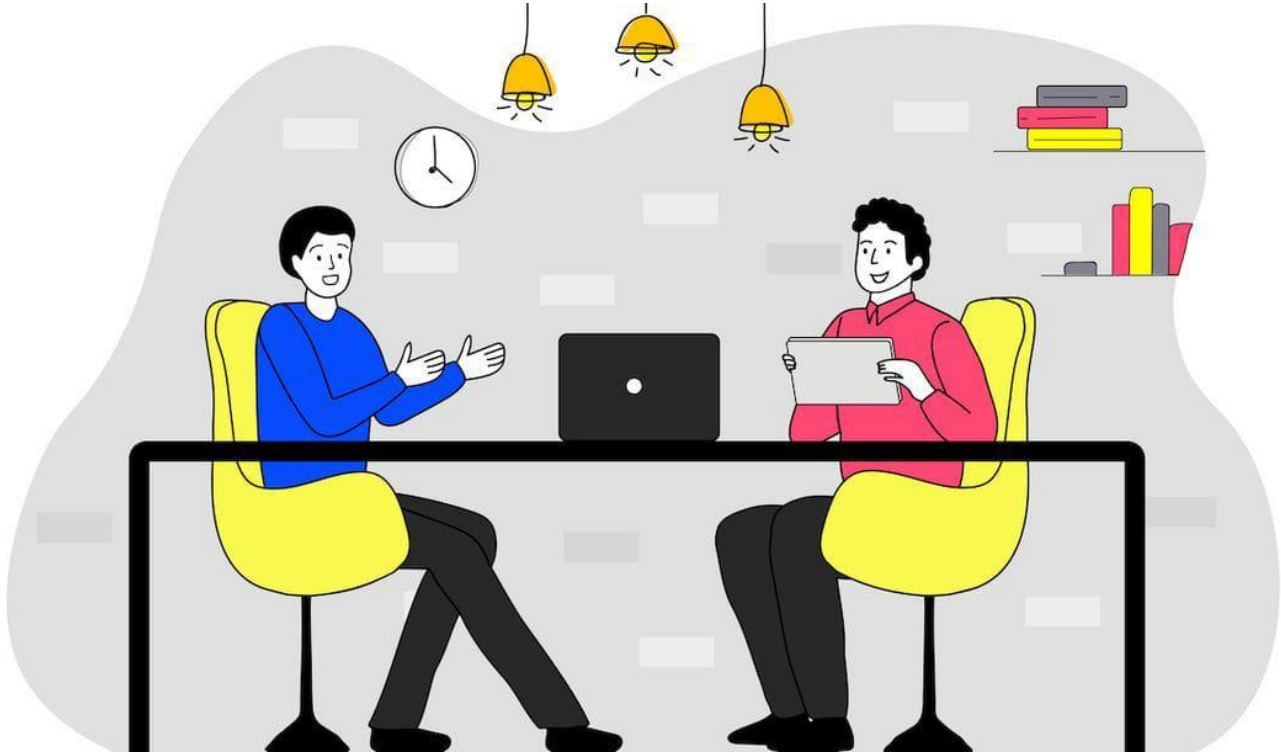


Fig:42

Effective communication with supervisor is a key element of your eventual success in the workplace. Therefore, it is important that you feel comfortable and prepared to approach your supervisor in a timely manner to discuss concerns, request assistance, or report work progress. As we have got an amazing supervisor to our group we had discuss with her about our simple concept. She is good at communication. She is clear to her speech, and never did underestimate us. She offered us by brief discussion. By that way we were able to take our decision. Through some discussion we were able to keep this as our final proposal. We didn't choose any thesis like project because-

- 1 We never created a complete project before
- 2 We had some lack of study at before
- 3 We had not our semester courses during this period

With all of the obstacle our supervisor **Afifa Hossain**, the coordinate and lecturer of Sonargaon University helped us to do the at least job which is in front of us now she is really an amazing woman as she never scolded us rather she did inspire all of us to do at least basic of the job as this is our first project



Fig: 44

This way helped us a lot to learn and build this simple project as this is our first ever complete project. Now we are able to build some of this like project and to extract the feature of this project. It will further help us some research like thing. We, firstly search for the technology which will help us to build our project. As we were sure the frontend > npx create-react-app app-name and we had to look for backend > npm init options. Then we observed and compared those with CSS, which is a framework of Bootstrap. This was comparatively easy for us.

The screenshot shows a website for 'KNOWLEDGE FIGHT'. The navigation bar includes 'Home', 'About', 'All Category', 'Sign In', and 'Dashboard'. The main banner features the text 'Are you ready to Learn !!', 'Learn With fun on any schedule', and a description of online learning. A 'Get Started' button is present. The banner also includes an illustration of a student at a laptop and a teacher at a screen. Below the banner is a grid of four statistics:

Statistic	Description
1500+ Topic	Learn Anything
1800+ Students	Learn Anything
9K+ Test Taken	Learn Anything
2000+ Student	Learn Anything

Fig:45

CHAPTER 05

SYSTEM IMPLEMENTATION

51 Tools used for Development

A project management tool gives you the ability to quickly set a hierarchy of tasks for efficient and effective completion. It also allows you to indicate which actions are sequential and which tasks are dependent on one another. In turn, this makes it easier for the team to do their task.

This chapter provides an elaborate discussion on the tools and technology used in this project. This includes different types of software used to build the website. This is very important to take the write tools for any types of development.

A single tool or language cannot develop a fully complete project. There needs a multiple technology for building these projects and a proper connection in between this tools. The essential importance for project management tools are:

1 Smooth Collaboration

2 Easy Planning

3 Easy resource allocation and management

4 Easy data sharing

There are different types of module also needed to install in those software So it is very important to take the correct options for development

52 Software

The operating system used for the development of this application is Microsoft Windows 10 professional The IDE that is used for coding is Visual Studio code (community version) The programming language used for the development of this application is Python (Django) For the structure of this project there used HTML and Internal CSS

Software	Used for	Version
Microsoft Windows 10 pro	Operating System	21H2
Visual Studio code	IDE (Integrated Development Environment)	17
Node Js, Express Js	Backend	305
HTML, CSS	Structure and design	3
Google chrome, Mozilla Firefox	Browser	1050519552

Table 52 : Software used for development of the application

53 Hardware

The hardware used for the development of this application is shown in the table below Processor used for this development is Intel Core i3 4th generation

Total 4GB of memory is used to run the necessary software for the development of this application Other hardware components that have been used are shown in the table below:

Hardware	Description
Processor	Intel Core i3 4th Gen Processor
Memory	HP 4GB DDR3 1333 MHz RAM

Motherboard	Intel(4) H81 Express Chipset
Storage	Western Digital 128GB SSD
Display	Dell 155 inch inspirtion 15 laptop display

Table 53 : Hardware used for development of the application

54 Database Services

We have used MongoDB as our data server MongoDB is a server less software library, whereas the other systems are client-server based With MongoDB and others, the application sends a message containing some data over to a separate server thread or process That separate thread or process performs the requested I/O, then send the results back to the application But there is no separate thread or process with MongoDB MongoDB runs in the same address space as the application, using the same program counter and heap storage MongoDB does no inter process communication (IPC) When an application sends an data statement into MongoDB (by invoking the appropriate MongoDB library sub-routine), MongoDB interprets the data in the same thread as the caller When an MongoDB API routine returns, it does not leave behind any background tasks that run separately from the application

An MongoDB database is a single ordinary file on disk (with a well-defined file format) With other systems, a "database" is usually a large number of separate files hidden away in obscure directories of the file system, or even spread across multiple machines But with MongoDB, a complete database is just an ordinary disk file

We also needed a module to download which is "Mongospace" We implemented a simple Data parser using pyparsing Combined with CSS code that implement the relational operations against our data store, this was fairly simple

55 Implementation

The biggest part of any software deal is the implementation There are many aspects that need to be addressed in this phase and a similar number of things can go wrong if enough care is not taken Identifying an ideal knowledge Fight system is considered to be a great task and takes up a lot of time and effort on the part of the educational institutions There are many schools that take months in order to choose ideal software for their needs and rightfully so The importance of school ERP software cannot be overstated and finding a tailor-made solution adds to the overall success of the school Before the implementation process actually starts, you will need to set viable goals Things such as what the knowledge Fight software aims to enhance with regards to the existing system and how it can be implemented in the stipulated time period are some of the goals that need to be defined

One of the major things that make an education ERP implementation easier is the availability of data Schools have a lot of data pertaining to the students, staff, events and other strategic decisions All of these need to be collected beforehand so that it can be uploaded online without any delays Most of the

ERP software is generalized for schools However, the requirements of each school management can be different when it comes to such a tool

This is another important aspect of the business plan that needs to be addressed in the beginning Make sure that the plan that you choose is budget-friendly has a tight upper limit so that the chances of going overboard can be prevented

So, we have implemented the project look like this:

Teacher

First the teacher will apply for job, if he/she gets selected there accounts will be made and HE will be able to work as a the admin, after approval only teacher can access their dashboard After account approval by admin, teacher can take exam of any class and view their result later Teacher can also publish/announce notice to student like submission of assignments

Students

First student will take admission/ sign up Then they have to add account will create by their own, only then the student can access their Panel After attend in exam by admin the student can view their details like mark sheets Student can't view others result on their panel Student can't announce any exam,they can only view

Home Page:

Newly When enter the page

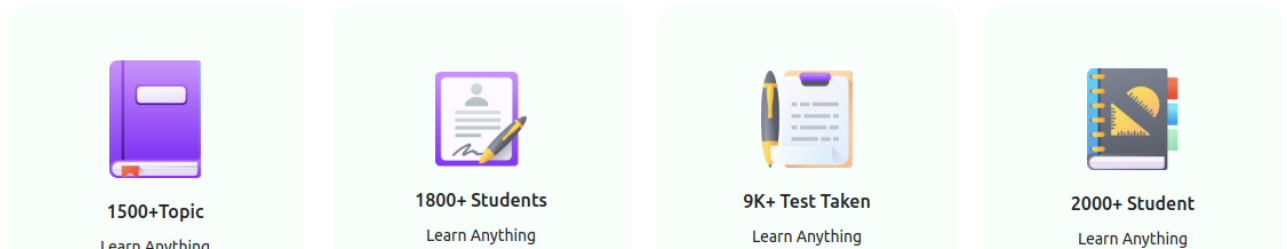
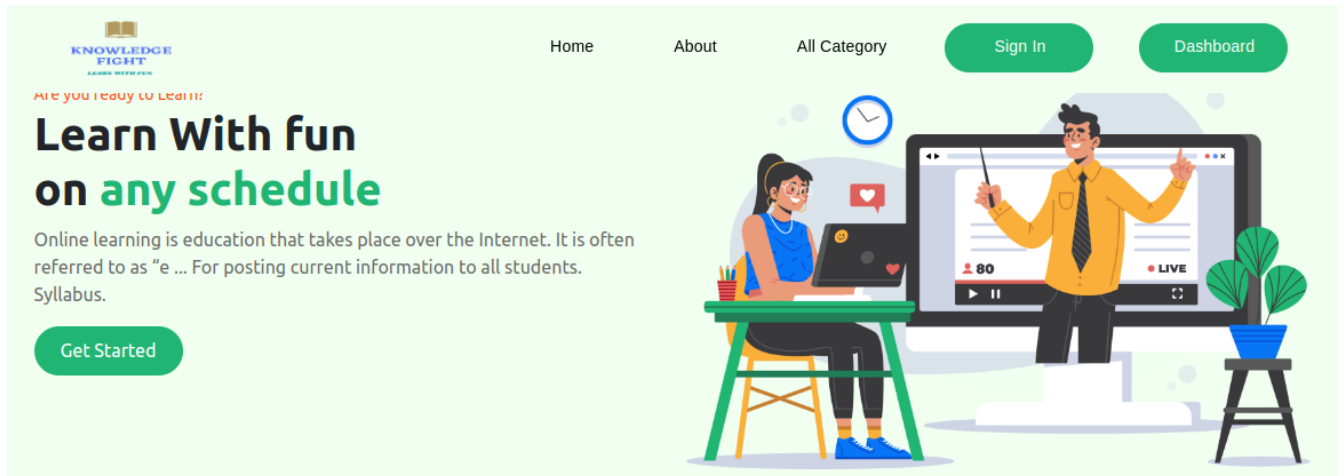


Fig:551

Subject Name:

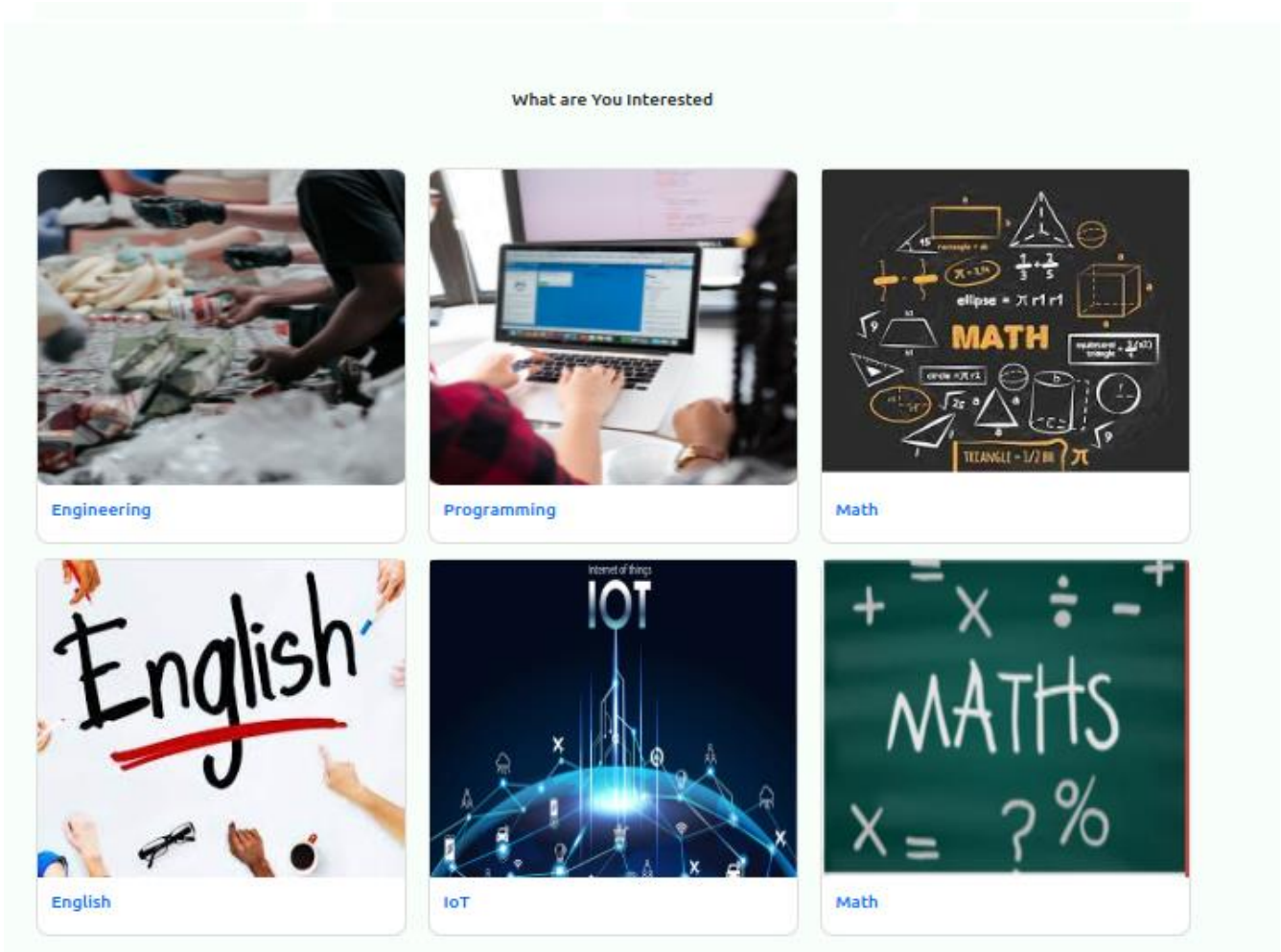
After entered the student panel, we'll get the access of the page:

Fig:552

Fig:552

Fig:552

Fig:552



Sub Category of subject wise:

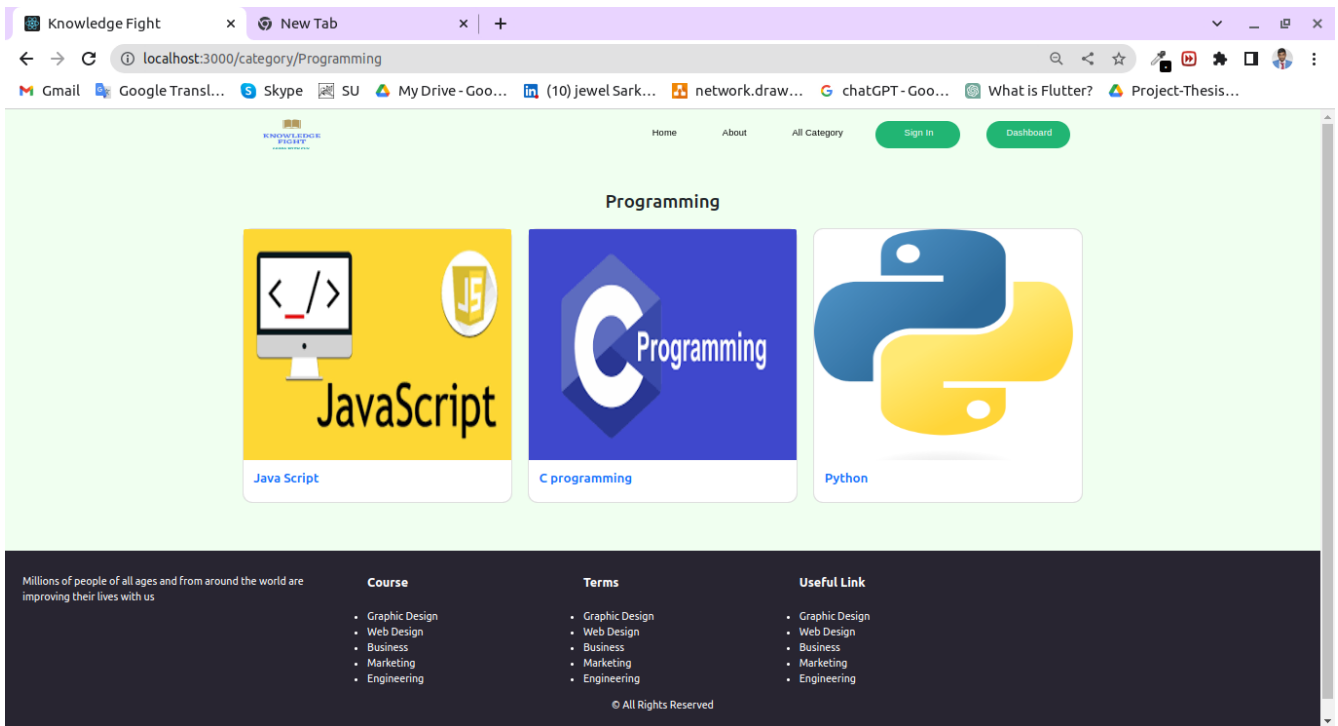


Fig :553

Attending Process:

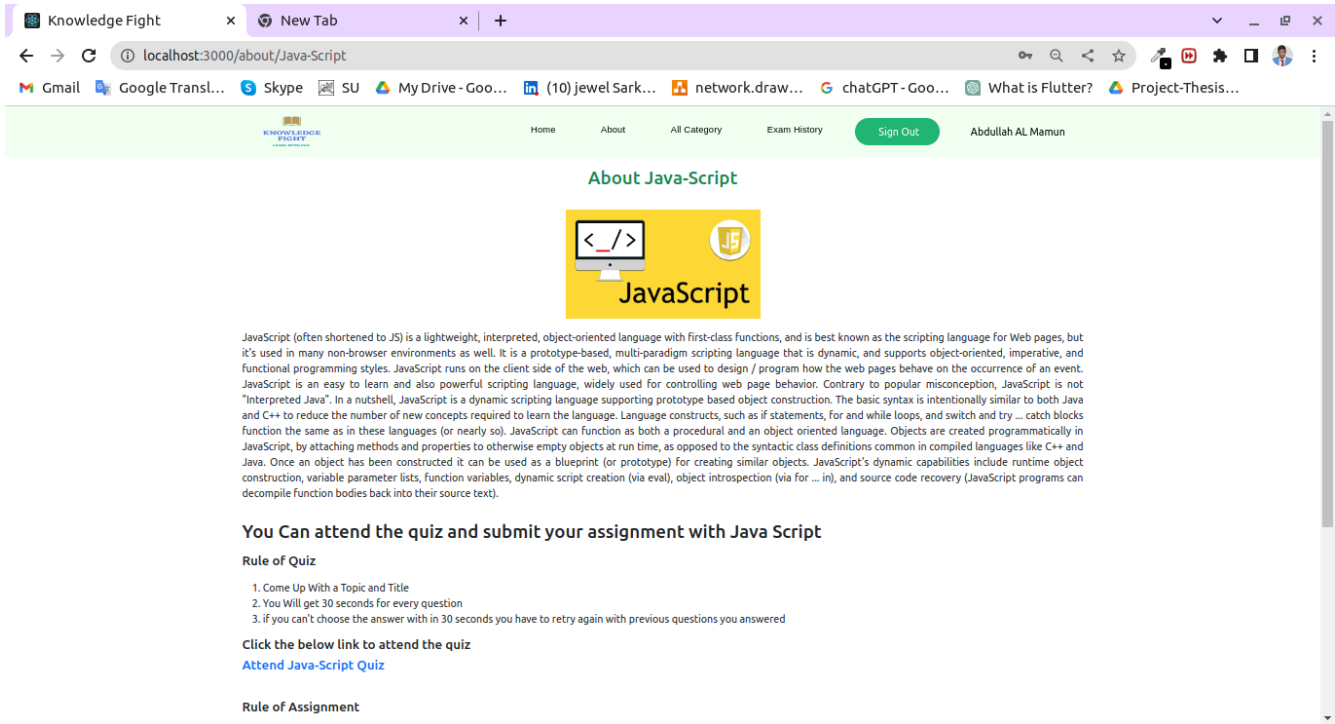


Fig 554: About Java Script

Answering Process and Time Management:

Here's given the time management automatically set 60 sec per question:

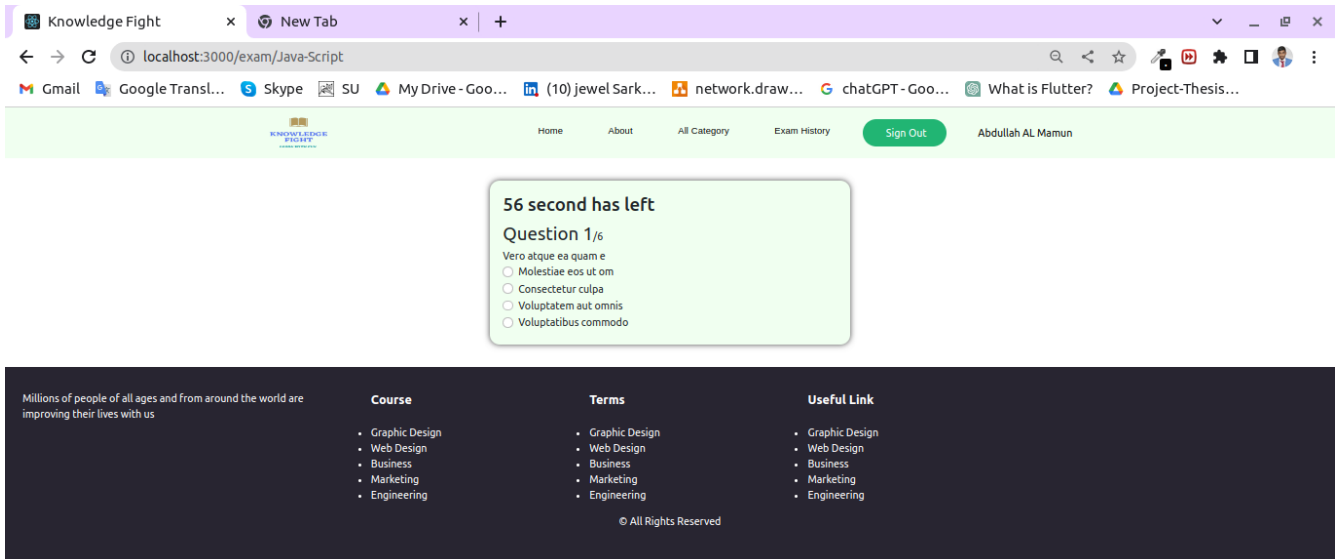


Fig: 555

View Answer:

Self-answering and development by grading your answer script:

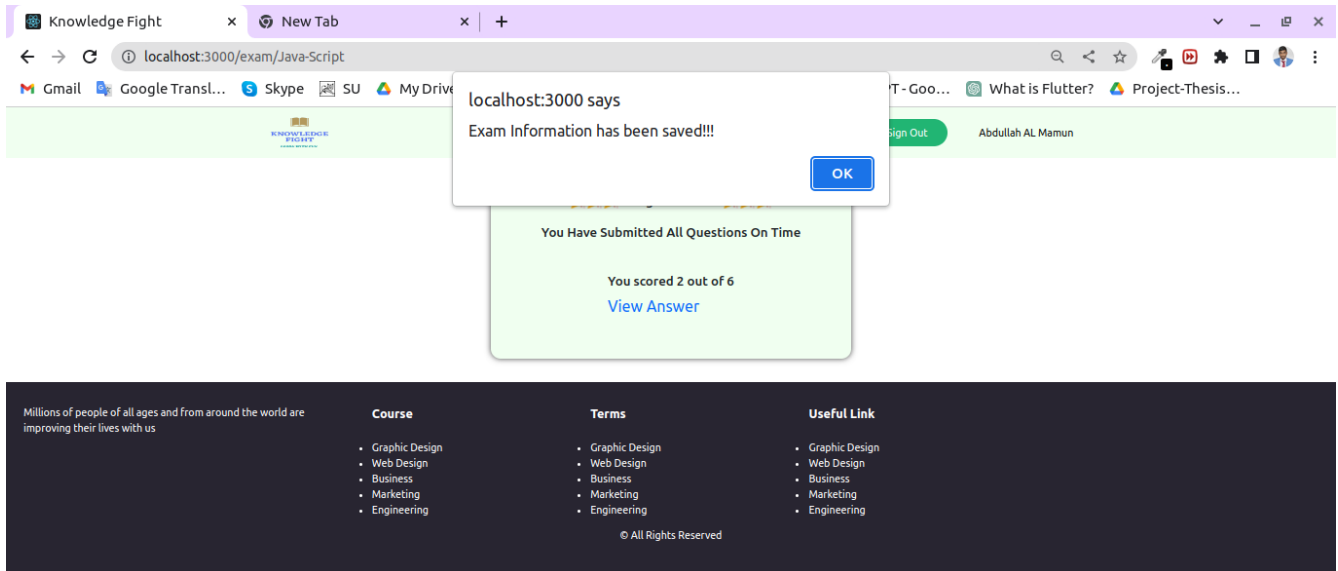


Fig :556

Users Exam Result:

Knowledge Fight x New Tab x +

localhost:3000/exam-history

Gmail Google Transl... Skype SU My Drive - Goo... (10) jewel Sark... network.draw... chatGPT - Goo... What is Flutter? Project-Thesis...

Home About All Category Exam History Sign Out Abdullah AL Mamun

My Exam Result

#	Total Question	Pass Question	%	Category	Subject	Date	Time
1	1	1	100 %	English	English 10	2023-01-04	12:50 PM
2	1	1	100 %	English	English 10	2023-01-04	01:38 PM
3	2	2	100 %	English	English 10	2023-01-04	01:48 PM
4	2	0	0 %	English	English 10	2023-01-04	02:48 PM
5	1	0	0 %	Programming	C programming	2023-01-04	02:59 PM
6	6	2	34 %	Programming	Java Script	2023-01-14	12:04 PM

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- Business
- Marketing
- Engineering

Terms

- Graphic Design
- Web Design
- Business
- Marketing
- Engineering

Useful Link

- Graphic Design
- Web Design
- Business
- Marketing
- Engineering

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Fig 558: View Exam Result

Student List:

Sum of attending students will be shown there,

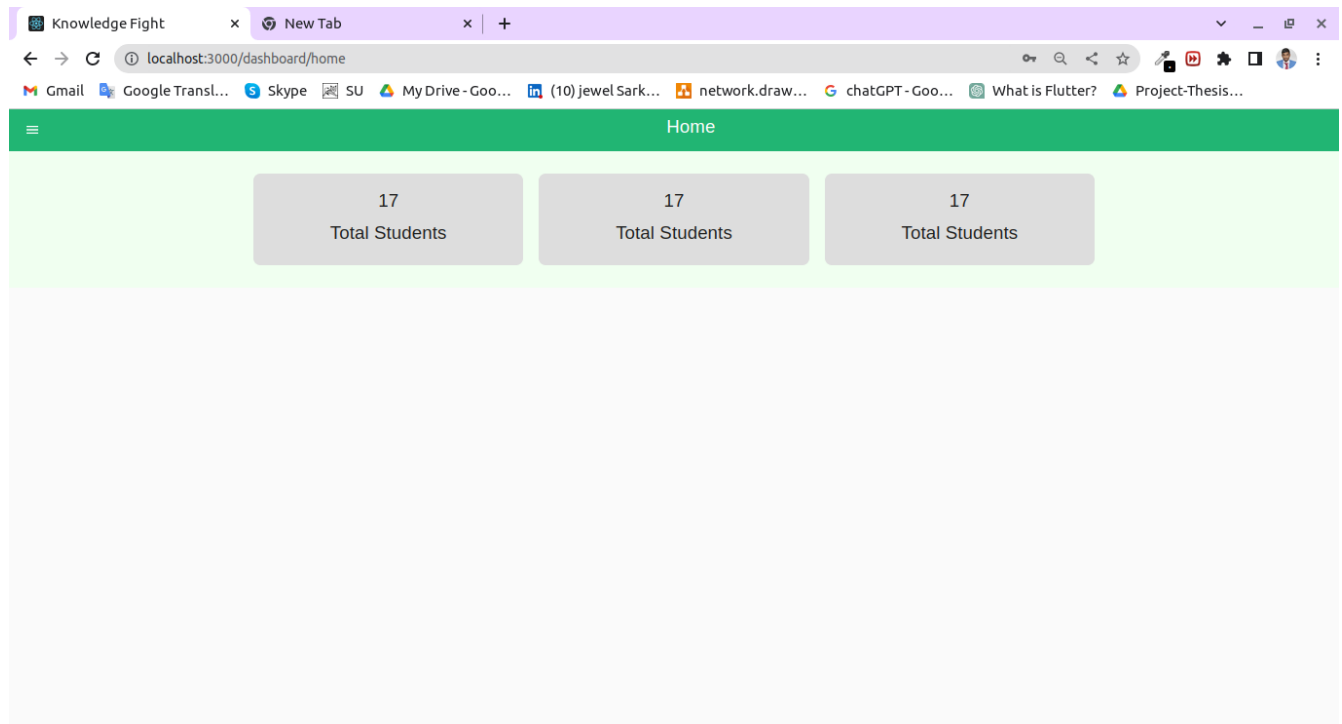


Fig 559: View Student List

Dashboard:

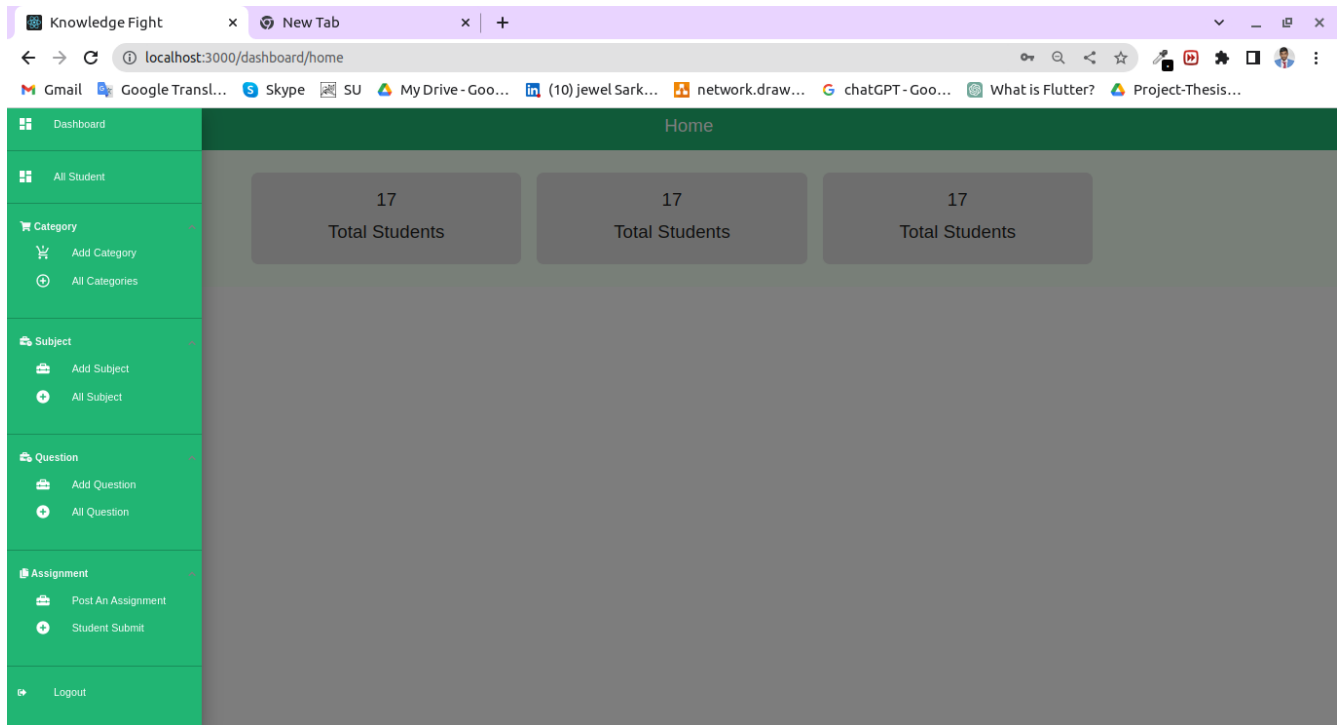
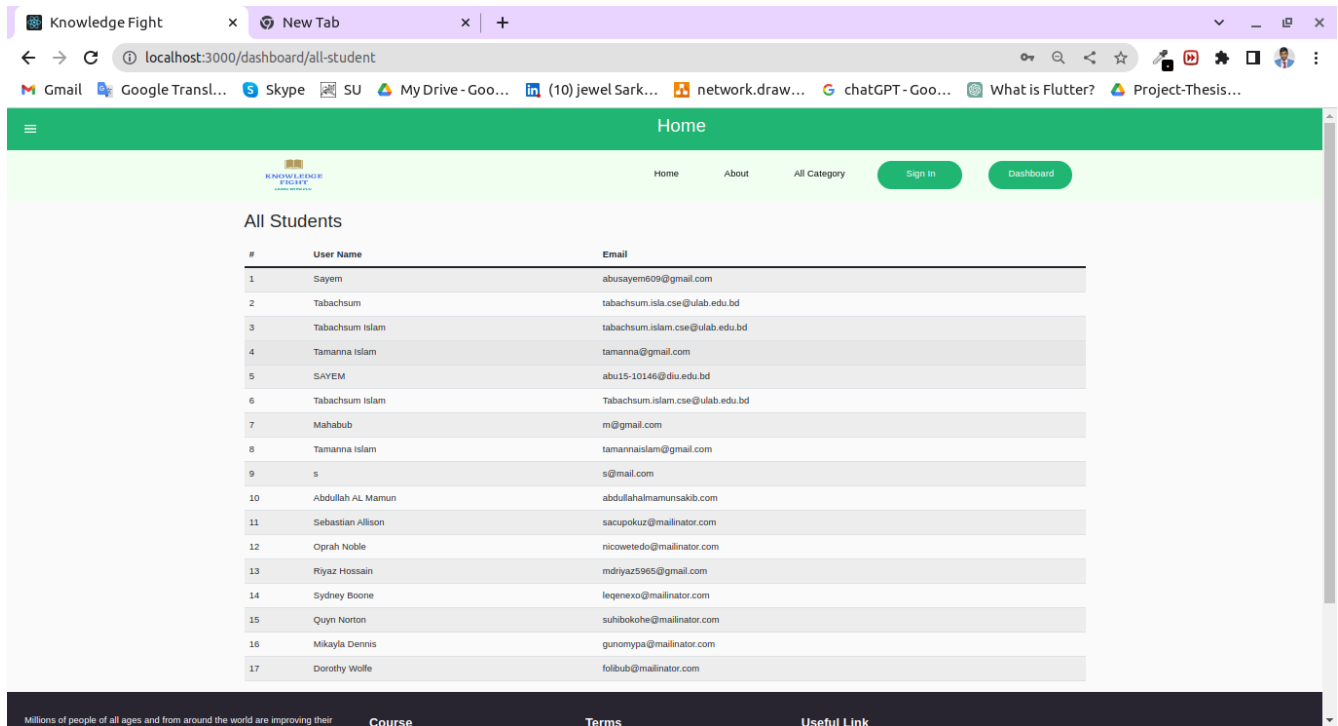


Fig 5510: View Dashboard

All Students Details:



The screenshot shows a web browser window with the following details:

- Browser tabs: Knowledge Fight, New Tab
- Address bar: localhost:3000/dashboard/all-student
- Page title: Home
- Navigation: Home, About, All Category, Sign In, Dashboard
- Section: All Students
- Table with 17 rows of student data:

#	User Name	Email
1	Sayem	abusayem609@gmail.com
2	Tabachsum	tabachsum.isla.cse@ulab.edu.bd
3	Tabachsum Islam	tabachsum.islam.cse@ulab.edu.bd
4	Tamanna Islam	tamanna@gmail.com
5	SAYEM	abu15-10146@du.edu.bd
6	Tabachsum Islam	Tabachsum.islam.cse@ulab.edu.bd
7	Mahabub	mi@gmail.com
8	Tamanna Islam	tamannaislam@gmail.com
9	s	s@mail.com
10	Abdullah AL Mamun	abdullahalmamunskib.com
11	Sebastian Allison	sacupokuz@mailinator.com
12	Oprah Noble	nicovetedo@mailinator.com
13	Riyaz Hossain	mdriyaz5965@gmail.com
14	Sydney Boone	leqenexo@mailinator.com
15	Quyn Norton	suhbokehe@mailinator.com
16	Mikayla Dennis	gunomypa@mailinator.com
17	Dorothy Wolfe	folibub@mailinator.com

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Fig 5511: View All Students

Category:

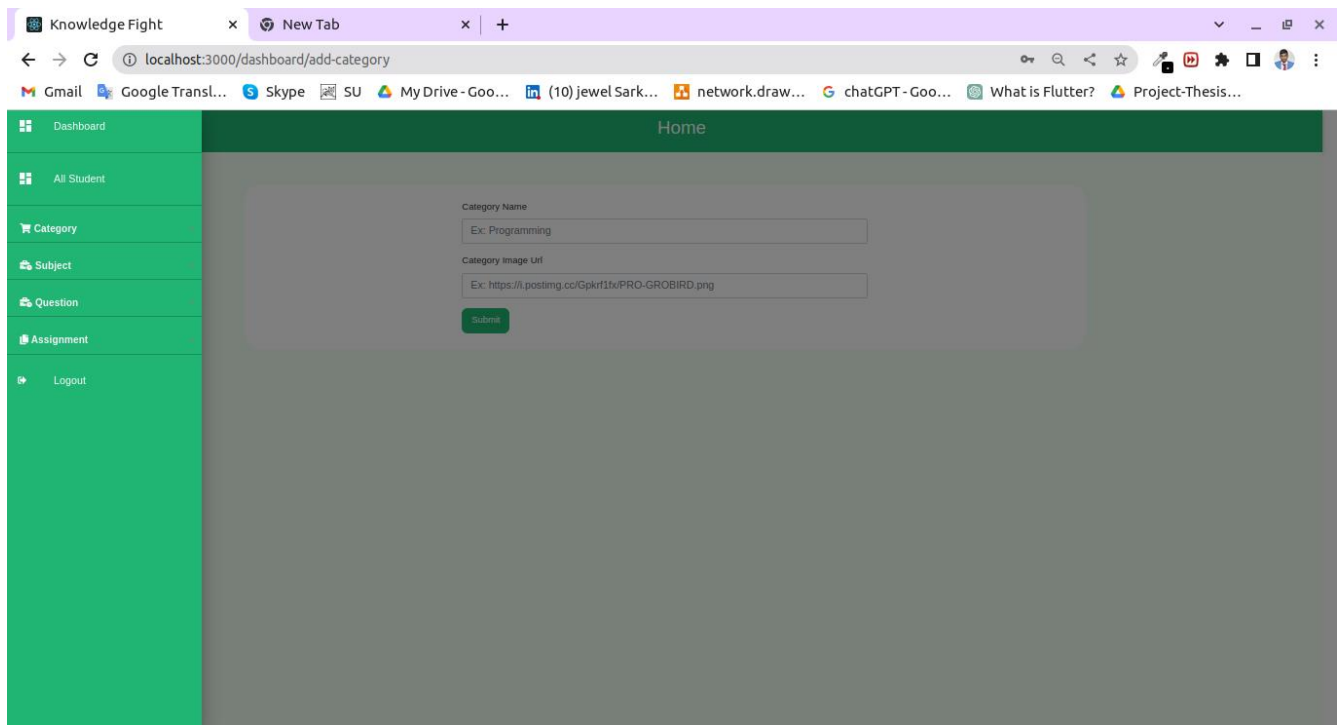


Fig 5512: Category

Add MCQ:

The screenshot shows a web browser window with the following details:

- Browser Tabs:** Knowledge Fight, New Tab
- Address Bar:** localhost:3000/dashboard/add-question
- Page Header:** Home
- Form Fields:**
 - Select Subject:** A dropdown menu with "Choose..." selected.
 - Question:** A text input field containing "Ex: what is js".
 - Option 1:** An empty text input field.
 - Option 2:** An empty text input field.
 - Option 3:** An empty text input field.
 - Option 4:** An empty text input field.
 - Correct Answer:** An empty text input field.
- Buttons:** A green "Add Question" button at the bottom of the form.

Fig 5513: View Add MCQ

CHAPTER 06

CONCLUSION AND FUTURE SCOPE

61 Discussion

This is an era of technology At everywhere at every place there will be the use of inter- net So website is important for every step of society That's why it needs to be rethink that website need to be user friendly, not too large nor useless in scale Our goal is to serve internet service to every door to door Facebook page is not enough for maintaining an institute like schools

New innovations and developments like technologies in cloud, big data, analytics, mobility, social media and internet of things have become the latest buzzword and the need of the day As now a day at first world country they are using software for a coaching center even So we need to care in this sector

The Knowledge fight web market is likely to provide immense opportunities for the growth of the education institute management market owing to the rising need for optimization of the operations at school The Knowledge fight web plays a crucial role in managing day- to-day administration and operations under a centralized platform The burgeoning need for systematic scheduling, communication, management

The Knowledge fight web market can be segmented into premise and cloud-based on the type Furthermore, based on the application the market can be divided into private K-12, District, special, and below higher education

The cloud-based system is expected to gain substantial traction owing to the rising need for cloud-based modules as it is user-friendly and user-friendly Andres The adoption of private K-12 modules across the globe may augment this segment's growth and ultimately contribute to the growth of the school management software market That's why we need this type of simple and strong security base project

62 Scope for Further Developments

This project is just for a demo purpose only In this concept there will be many more fea- ture will be added, like:

- Registration/Log In
- Exam and Class test
- Time Limit
- Category Selection

- Grading System
- Result history
- Certification
- E-School system
- Authority panel, etc

63 Conclusion

The benefits of IT industry cannot be limited to software development alone, the technologies can be applied to areas like hospitals, banks, schools, libraries, airports, shops and many other places with the help of database management systems or through custom made software as per the requirement

This knowledge fight system has an essential need for every school to operate No doubt It holds so many crucial functions to ensure that the school management runs smoothly The teachers, staff, and other external parties can collaborate easily through a centralized platform It doesn't stop there In recent years, Bangladesh is recognized as one of the emerging IT outsourcing and software exporting countries in southeast Asia One of the most prominent factors that brought us the global remark is the booming IT industry besides RMG revenue during the last few decades

The contributions being made by the IT industry towards the country's GDP has led to a steady growth of the Bangladeshi economy While comparing with our neighbor country & one of the strongest competitors in southeast Asia, Indian industry is regarded as a hub of innovators providing world class technology solutions across the globe when we are still thriving to get our names out in the light provided our good works around the globe New innovations and developments like technologies in cloud, big data, analytics, mobility, social media and internet of things have become the latest buzzword and the need of the day

Integrated knowledge fight web also bridges communication between the school, students, and teacher's Further, the learning and teaching experience gets insightful and resourceful for students as well as teachers All these aspects may boost the growth of the knowledge fight web market

This project is not ready to run on real life yet But If this project can satisfy the further development thus It will be a very good option to choose every budget friendly hand

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