



# **An Undergraduate Internship**

By

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**January 19, 2021**

Dissertation submitted in partial fulfillment for the degree of Bachelor of  
Science in Computer Science

Department of Computer Science & Engineering  
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# Attestation

This is to certify that the report titled “Senoark Website” is completed by me, Faria Tuz Zohora (1610298), submitted in partial fulfillment of the requirement for the Degree of Computer Science and Engineering from Independent University, Bangladesh (IUB). It has been completed under the guidance of Mr. Asif Bin Khaled(Supervisor). I also certify that all my work is original which I have learned during my Internship. All the sources of information used in this project and report has been duly acknowledged in it.

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Signature

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Date

Faria Tuz Zohora

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Name

# Acknowledgement

Above all else, I want to express my gratitude towards Almighty Allah for enabling me the continuance and to buckle down. It is my benefit that I got the position in Cerulean Creative Technologies.

I express my profound thankfulness to my director Bijoy R. Arif, Lecturer, Department of Computer Science and Engineering, Independent University, Bangladesh, for his important guidelines, helpful reactions and mainly a unique mentoring that helped me face the real world problems and focus on the increasing challenges of the professional sector. I additionally express my profound thankfulness to Mr. MBE Tameem Enam (Project Manager, Cerulean Creative Technologies) and Mr. Aga Rafsan (Product Manager, Cerulean Creative Technologies). Likewise, I express my profound thankfulness to all representatives of Cerulean Creative Technologies for collaborating to assist me with completing this job report.

Last but not the least, I would like to thank my parents and other family members for their eternal support given to me.

Faria Tuz Zohora

January 19, 2021

Dhaka, Bangladesh

# Letter of Transmittal

January 19, 2021

Asif Bin Khaled

Lecturer

Department of Computer Science and Engineering

Independent University, Bangladesh.

Subject: Internship Report submission Autumn, 2020.

Dear Sir,

It is a great pleasure and honor to submit my Internship report on Senoark Website under your guidance. I have tried to present my project work, my experiences and achievements in this report.

I have completed my Internship from Cerulean Creative Technologies as a Front-End Web Developer from the 1st of January 2020 to date. During this whole time period, I have gathered real life working experience and knowledge in various aspects. This report includes all the project works, experiences and learning that I have achieved during this internship.

Sincerely,

Faria Tuz Zohora

# Evaluation Committee

Signature

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Name

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Supervisor

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Internal Examiner

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External Examiner

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# Abstract

Creating new and innovative ideas to help your business stand out and make a mark in a saturated market. You tell us your story and Senoark brings it to life with their creative works that elevates your brand and makes it the talk of the town. Whether you are looking to simply improve your brand image or virality to etch it into the mind of your audience, Senoark can provide the ideas and tools to make it happen.

Senoark takes data from their clients regarding their business or company and they take those data through rigorous analysis and come up with an optimum and efficient strategy for already established companies and startups.

This website will help them reach the innovative minds out there by showcasing all the services of Senoark. The website showcases their sister concerns, blogs uploaded by the moderators and the admins, their mission & vision for the future. There is a form for startup incubation pitch submissions that are to be submitted by the innovative minds who seek assistance and these are to be viewed by the moderators and admin of this website. The system will also show job openings and career opportunities. Through the help of a form and a file uploading mechanism, interested candidates would be able to submit their CVs. There is a special part in this website, which utilizes same components for faster loading. Managerial control of the entire system is given to the Admin. The Moderators can only manage the contents, update blogs, view and manage the filled startup incubation forms and the interested cvs for jobs.

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# Chapter 1

## Introduction

We are living in a world where each and every little thing is being digitized. Web applications have made our lives too easy. Nowadays they are being used in all the major sectors like businesses, educational institutions and so on.

So, considering the regular traditional business websites, we have come up with a modern, optimized and user-friendly website for the client. This system contains 2 sides. The admin and moderator side and the user side. The admins can access the database to collect forms and CVs that have been submitted by the users through the website using the admin panel. And the users will be able to get information about the company and submit their incubation ideas through the "Startup Incubator" form and apply for jobs through the website. As a whole, I want to say that this is a very robust system.

### 1.1 Overview/Background of the Work

People these days have ideas that can change the world but they are met with many obstacles. This website is the first step of the guide that would be provided by Senoark. Here, a base outline of the whole idea would become transparent between the user and the Senoark personnel. The user would fill up the required form and upload the presentation file for Senoark to review.

Furthermore, there are opportunities for the users to join the Senoark team through their career page by filling up the form and submitting their CVs.

The admins and moderators are able to manage blogs and the submissions by the users.

### 1.2 Objectives

Cerulean Creative Technologies is on a mission to provide the highest-grade, bespoke web, application, software and technological solutions to its valued client base at an

affordable and time efficient manner. No client is too small or too big for Cerulean Creative Technology, as the company works with everyone - from solo bloggers to large enterprises.

### **1.3 Scopes**

Cerulean Creative Technology is on a journey to expand and grow into a ubiquitously trusted name in the fields of digital design and technology. In time, Cerulean shall span the globe to provide its digital development and technology transfer services in major markets the world over, such as the United Kingdom, Singapore and the United States. The core values of the company shall always be integrity and social responsibility.

# Chapter 2

## Literature Review

A company website might consist of many things most of which are informational blogs published on the World Wide Web. Earlier we have seen people asking for looking for jobs in newspapers and tryinh to find funding in newspapers. It did not allow the one who do not read newspapers to read those. Moreover, this had to go through a long process from choosing the news company to getting it approved.

But now, just with a click, users can easily post their incubation ideas and look for jobs sitting from homes.

This idea evolved from kickstarter where they helped other to grow and meanwhile they grew themselves.

### 2.1 Relationship with Undergraduate Studies

Introduction to Programming, Database Management, Object-Oriented Programming and Web Applications and Design are the courses from the Undergraduate Studies that are related to this form of work. Although they teach the basic fundamentals, but they act as the base pillars of what this internship is trying to achieve.

### 2.2 Related Work

The websites of local yet very big companies like Bashundhara Group, Jamuna Group, Gemcon Group etc are made to showcase all of their services and products. These websites can be called web applications for their handpicked back-end services although there are very less back-end services for websites like these. **We researched these websites and implemented our ideas for the Senoark Website.**

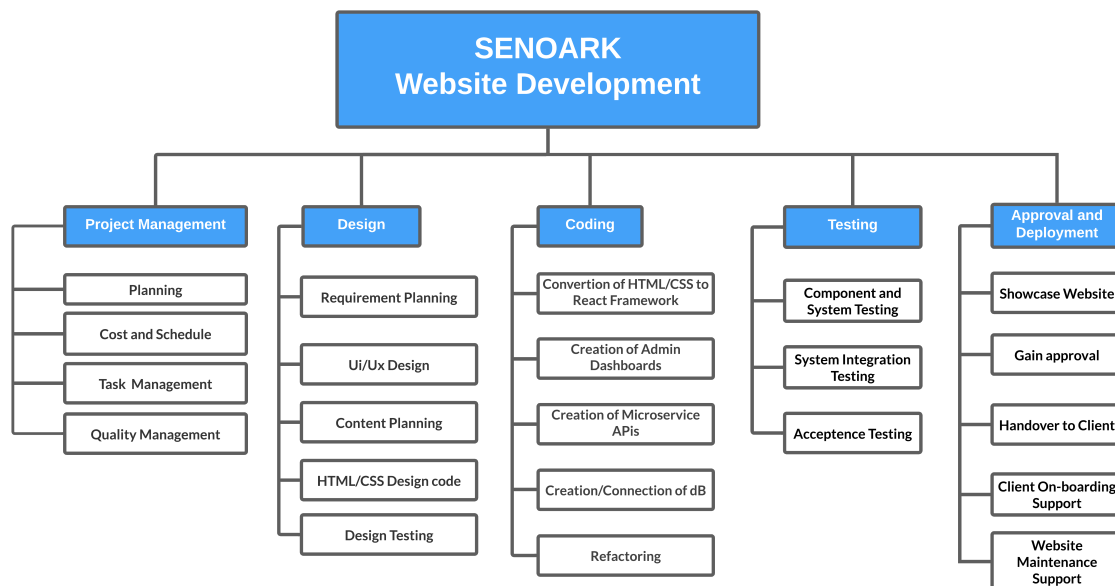
**One of the key services that Senoark provides is Startup Incubation** and for the design and development of this special feature, reference was taken from **[www.kickstarter.com](http://www.kickstarter.com)**

# Chapter 3

## Project Management & Financing

### 3.1 Work Breakdown Structure

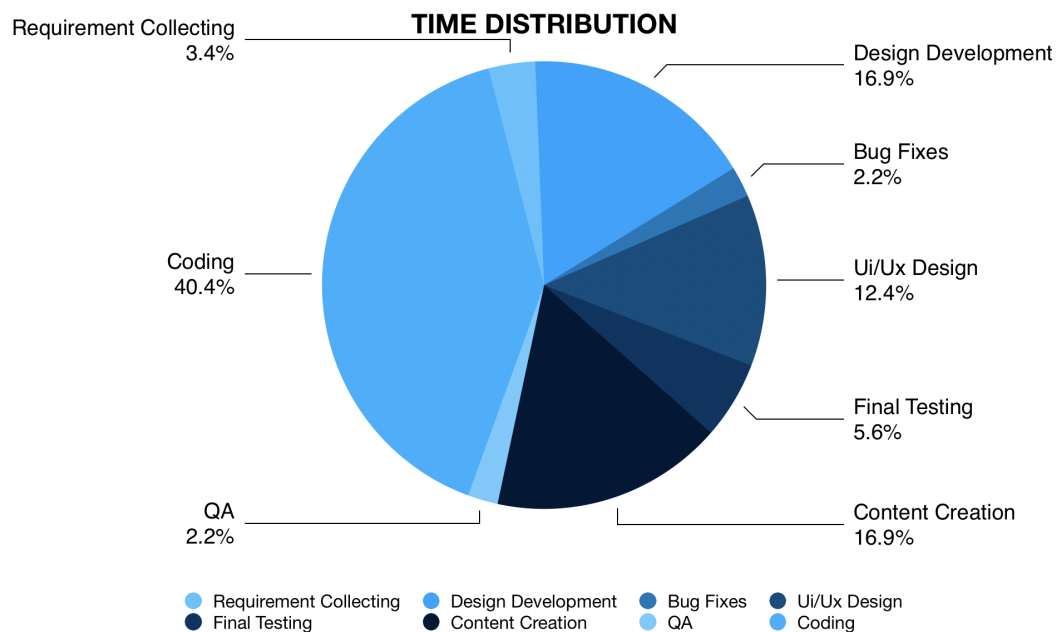
A work breakdown structure is a visual, a guideline and a hierarchical overview of the project. We can create tasks by breaking down the deliverables and these can again be broken down into subtasks as many times as needed to reach the goal of the project.



Project team members were involved in developing the WBS to ensure consistency and buy-in. The WBS as we can see is consistent with the way in which work is actually going to be performed. Each WBS item are documented to ensure accurate understanding of the scope of work included and not included in that item. The WBS was made as a flexible tool to accommodate inevitable changes while properly maintaining control of the work content in the project.

## 3.2 Process/Activity wise Time Distribution

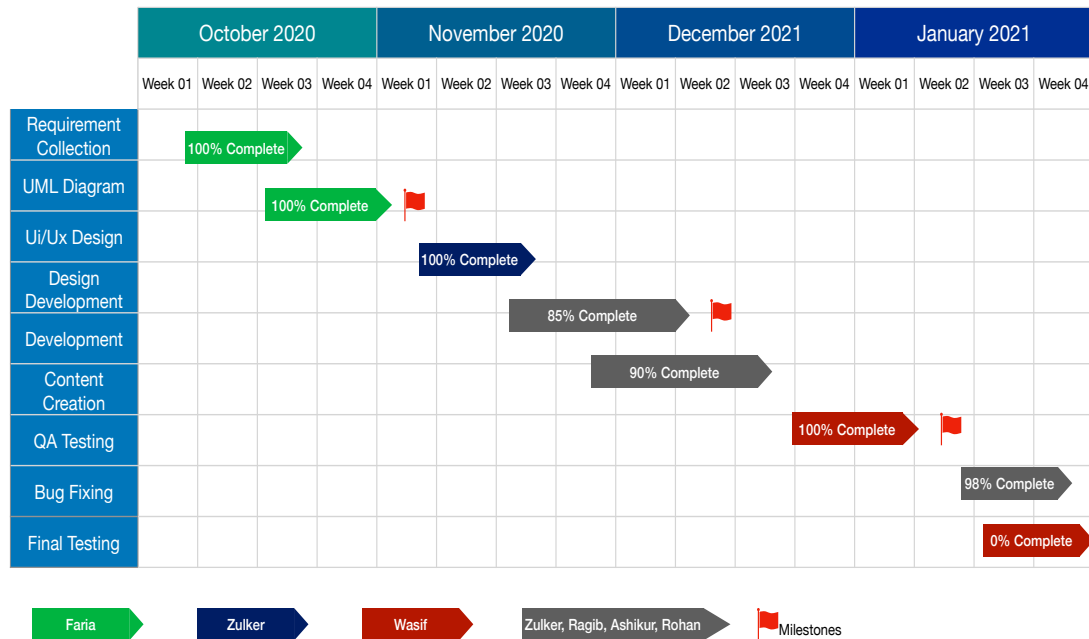
The estimated time required to end a project successfully defines process wise time distribution. This helps the developers create a mind map as to how efficiently they need to work in order to meet the deadlines. Time distribution is greatly needed to complete any project.



**Fig: Pie Chart of Activity Wise Time Distribution**

Here in the figure, Percentage (%) determines the time percentage needed to complete the tasks.

### 3.3 Gantt Chart



### 3.4 Process/Activity wise Resource Allocation and Estimated Costing

TYPE	NAME	DESCRIPTION	AVAILABILITY	PRICE
HARDWARE	COMPUTERS/ LAPTOPS	PLATFORM NEEDED TO WORK	HIGH	TK. 4,80,000
	ROUTERS	ASSIGNED TO A NUMBER OF EMPLOYEES FOR INDIVIDUAL PORT SUPPORT	HIGH	TK. 12,000
	PORTABLE FLASH DRIVES	REQUIRED FOR OFFLINE DATA TRANSFER AMONG DEVELOPERS	HIGH	TK. 10,000
NETWORK	Internet	Required to connect to web	HIGH	TK. 2,000 /m
	Hosting	Required to store web contents	HIGH	TK. 10,080 / annum
	Domain	Required for site identification	HIGH	TK. 800 /m
	Cloudflare Support	Required for DNS Security and high speed page loading through rerouting	HIGH	TK. 0
HUMAN	Project Manager	Required to organize and allocate work	HIGH	TK. 80,000/m
	Ui/Ux Designer	Required to generate and test the design	HIGH	TK. 20,000/m
	Developers	Required to code and develop the website	HIGH	TK. 35,000/m/ dev
SOFTWARE	Microsoft Visual Studio	Required to run the framework used to develop the website	HIGH	TK. 0
	Windows	Operating System needed for Windows Users	HIGH	TK. 0
	Linux	Operating System needed for Linux Users	HIGH	TK. 0
	Mac OS	Operating System needed for MAC Users	HIGH	TK. 0

# Chapter 4

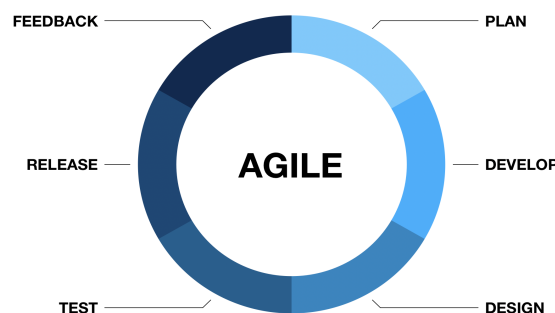
## Methodology

Software development methodology is a procedure or arrangement of procedures utilized in programming advancement. Once more, very wide, however that it is things like a design phase, and development phase. It is intended to depict the how of the life cycle of a piece of software.

There are various types of software development methodologies. Such as-

- 1) Agile
- 2) Waterfall
- 3) Prototyping
- 4) Iterative and incremental development
- 5) Spiral development
- 6) Rapid application development
- 7) Dynamic system development model
- 8) Extreme programming

For this project we have chosen the agile methodology. Sometimes it works in iterative development as well. Agile is a process by which a team can manage a project by breaking it up into several stages and involving constant collaboration with stakeholders and continuous improvement and iteration at every stage. This approach starts with customers portraying how the finished result will be utilized and what issue it will solve. It doesn't fabricate a whole framework on the double, yet rather grows steadily.



## Reasons for choosing agile methodology

**1. Faster time to market:** Heaps of people that choose to go lithe are pretty tired of multi month delivery cycles that frequently convey an inappropriate item to showcase and our clients simply aren't keen on purchasing. The possibility of two weeks' delivery cycles and quarterly release cadences is quite engaging. Our business sectors and our opposition are simply moving excessively quick. So, we must show signs of improvement at getting working items out the door faster.

**2. Customer satisfaction:** Building items our clients can utilize satisfies them. Having the option to frequent add new highlights based on their feedback makes them happy as well. As a product client, I don't know there is anything more terrible than putting resources into an item that doesn't work, doesn't do what we need it to do, and not being not able to see any way ahead for improving it. Agile helps us to build good relationships with our customers, one where we are working together to get problems solved.

**3. Build the right products:** Regardless of whether we are building the specific highlights that our clients are asking for, steady delivery encourages us to assemble them the manner in which our clients will really use them. At the point when we deliver in smaller increments, we have the chance to let our clients see the developing item, react to it, and change it as they go. Agile helps the customer and the team converge on the best possible outcome.

**4. Early risk reduction:** Agile doesn't regard risk as a different area to be overseen. Agile is risk management. By conveying early and getting feedback, we lessen the danger of building an inappropriate product. By ceaselessly incorporating and fabricating imperfection free programming, we decrease the risk that our stuff wasn't constructed right not long before we have to put it up for sale to the market.

**5. Better quality:** Agile fixes time, cost, and quality and gives us the tools to change the business and specialized extent of the arrangement. You probably won't get all that you sought after, however you can believe what was delivered.

**6. Efficiency:** People realize that the large forthcoming plans as a rule turn out pointless over the long run. Individuals realize that the individuals in their practical silos aren't working very well together. Lithe holds the guarantee of helping us wipe out the stuff we don't require and get down to the matter of building working software.



# Chapter 5

## Body of the Project

### 5.1 Work Description

Senoark is a digital marketing and business consultant agency, specializing in strategies for both corporate and SME to maximize growth and increase sales. By analyzing website traffics and social media performance data, they continually implement solutions to get the best quality leads and turn them into clients.

This system can be divided into two parts:

On one side, admins will monitor the idea pitches, upload the latest career opportunities, review the CVs uploaded, add users with specific authorization to maintain the site.

On the other side, the users will provide their ideas for incubation privately.

**There is also a super user who will be able to monitor everything.**

Now talking about the blogs, every business should have their own blogs so that people can see what they have to offer. Our system has a blog writing system. Users who have the access can write blogs and publish them on the website. Admin can manage these blogs as well. These can be published with category and users can search by category for reading the blogs.

Our website is totally dynamic. Everything is controlled by the admin from the admin panel. It is very easy to use. We have tried to make it as simple as we can so that users do not face any problem while running it. In future we have plans to add more features to optimize our work.

### 5.2 System Analysis

To identify the objectives of a system, system analysis is conducted for the purpose of studying it and its parts. This is a problem solving process that determines how efficiently the system is running to accomplish their purposes. This contains some phases like plan-

ning, analysis, design, deployment and maintenance. It is a process of interpreting and collecting facts, finding out the problems and splitting up the system into its components.

### 5.2.1 Six Element Analysis

PROCESS	HUMAN	NON-COMPUTING HARDWARE	COMPUTING HARDWARE	SOFTWARE	DATABASE	NETWORK AND COMMUNICATION
VISIT WEBSITE	ALL USERS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
SIGNUP/SIGNIN	ADMINS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
ADMIN DASHBOARD	ADMINS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
STARTUP-INCUBATOR PAGE	ALL USERS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
SENOARK DIGITAL PAGE	ALL USERS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
CONCERNS PAGE	ALL USERS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
WHO WE ARE PAGE	ALL USERS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
CONTACT PAGE	ALL USERS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
CAREER PAGE	ALL USERS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN
FORM SUBMISSION PAGE	ALL USERS	N/A	PC, LAPTOP, SMARTPHONES, TAB	ALL BROWSERS	MySQL	WAN

### 5.2.2 Feasibility Analysis

The analysis of a proposed project is to determine whether it is feasible and should go ahead is called feasibility analysis. Confirmation of design, plan and strategy is the main priority of this analysis. This can be used to validate assumptions, constraints, decisions and approaches. There are some main parts of feasibility analysis. They are -

**1) Technical Feasibility:** In technical feasibility, evaluation of the software, hardware and the other technical requirements of the proposed system are performed. This evaluates the details of how we intend to deliver a product or service to customers. Labor, think materials, transportation, where our business will be located, and the technology that will be necessary to bring all this together.

Senoark has been developed using the Reactjs framework with ASP.net Core. The use of typescript components from the latest 17.0.1 version of Reactjs and the regular HTML, CSS and JS helped to build a much efficient and faster website. Moreover, these technologies are very popular in the modern industry and are being used thoroughly with a growing community.

**2) Operational Feasibility:** Operational feasibility is a measure of how well a pro-

posed system solves the problems and satisfies the system requirements identified during the scope definition and problem analysis phase. It is dependant on human resources available for the project and involves projecting whether the system will be used if it is developed and implemented.

Senoark has been developed in such a way that it can be conducted very easily. People will accept it without any doubt. It is a well planned system. People of all ages will be able to use it. It reduces physical and technical hardships. Users need not have a lot of technical knowledge to run this system. Every instruction is very clear to the users. We hope this system will be able to fulfill the requirements of the users.

**3) Economic Feasibility:** In economic feasibility, costs and benefits are identified. It determines cash flow and assigns values to costs and benefits. Development costs and production costs are included in economic feasibility.

Our system is nothing but a product. If this system can reach the users it will definitely bring benefits. On one hand it will reduce the costs of wasting pens and papers. On the other hand benefits will come depending on the uses.

### 5.2.3 Problem Solution Analysis

#### Problems:

Every work has some problems. Our website may also create some problems like -

1. **Eye strain:** As harmful radiations are emitted from the PC, Laptop and Mobile screens then it may cause some eye strain problems.
2. **Internet:** As this system will require internet connection once it has been launched.
3. **Load shedding:** If anyone uses desktop and Wifi routers then load shedding may create problems while using this system.
4. **Pitch Tracking:** How does a user know if their incubation idea is still under process or even has been viewed?

#### Solutions:

While there are problems, there are solutions too. Now I am going to discuss about the solutions of the problems mentioned above -

1. **Eye strain solution:** Brightness of the device should be maintained while using this system.
2. **Solution to the internet problem:** Nowadays internet data is not so costly that we cannot afford that. Our system does not consume a lot of data.
3. **Load shedding solution:** As this system can be run from laptop and mobile that

do not require continuous electricity connection, users can use them very easily.

**4. Pitch Tracking:** Slowly but surely, our developers are working to bring on the tracking services for users to track their submitted proposals.

### 5.2.4 Effect and Constraints Analysis

This Website will currently direct all the incoming visitors to look into the core depths of the Company, kick-start their ideas by submitting their pitch and browse career opportunities.

As discussed earlier, our system has some constraints. We are planning to overcome those constraints through our latest releases to the website which would see itself moving towards into being a Web Application.

## 5.3 System Design

### 5.3.1 Rich Picture

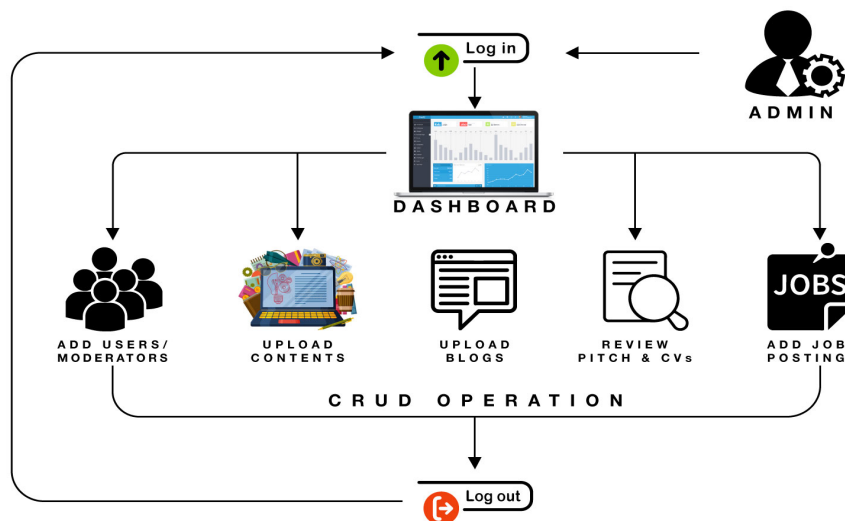


Fig: Admin Module Rich Picture

Here, there are two types of admin. The Super Admin(1) who can manage all of the things. The other type of Admin(2) Logs in to the dashboard and has access to the moderators among the users only; along with the rest of the services. These operations are carried through our Restful CRUD APIs that we have made specifically for this Website to handle data on the go.

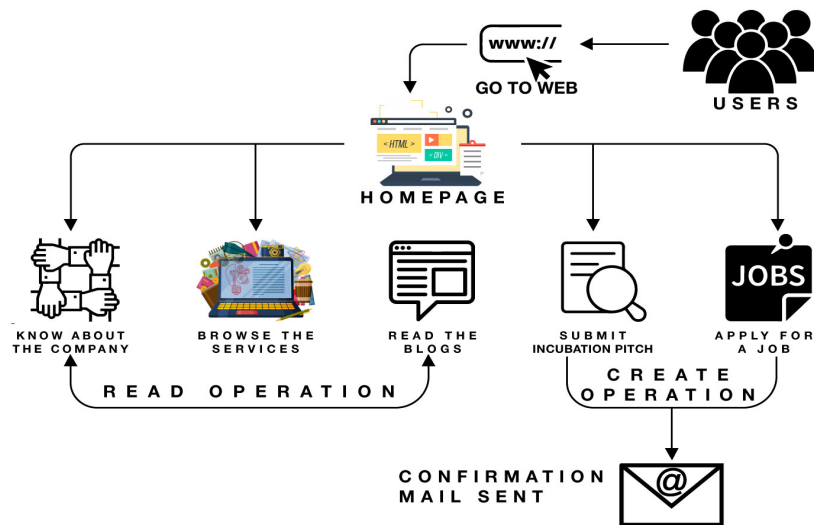


Fig: User Module Rich Picture

Here, when a user visits the website (Senoark), s/he is able to see all information related to the company. The user/s can read the blogs and other contents but cannot update them. The Users can create a form and apply for jobs but cannot update their submission.

### 5.3.2 UML Diagrams

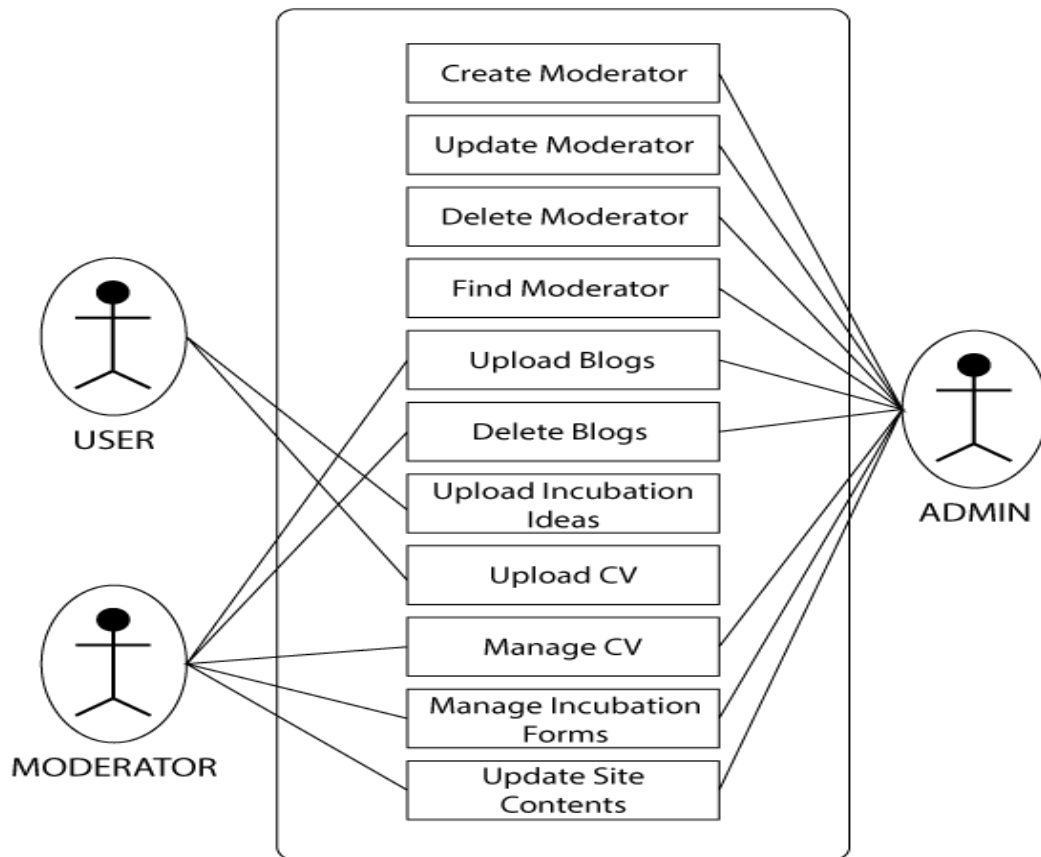


Fig: User Case Diagram

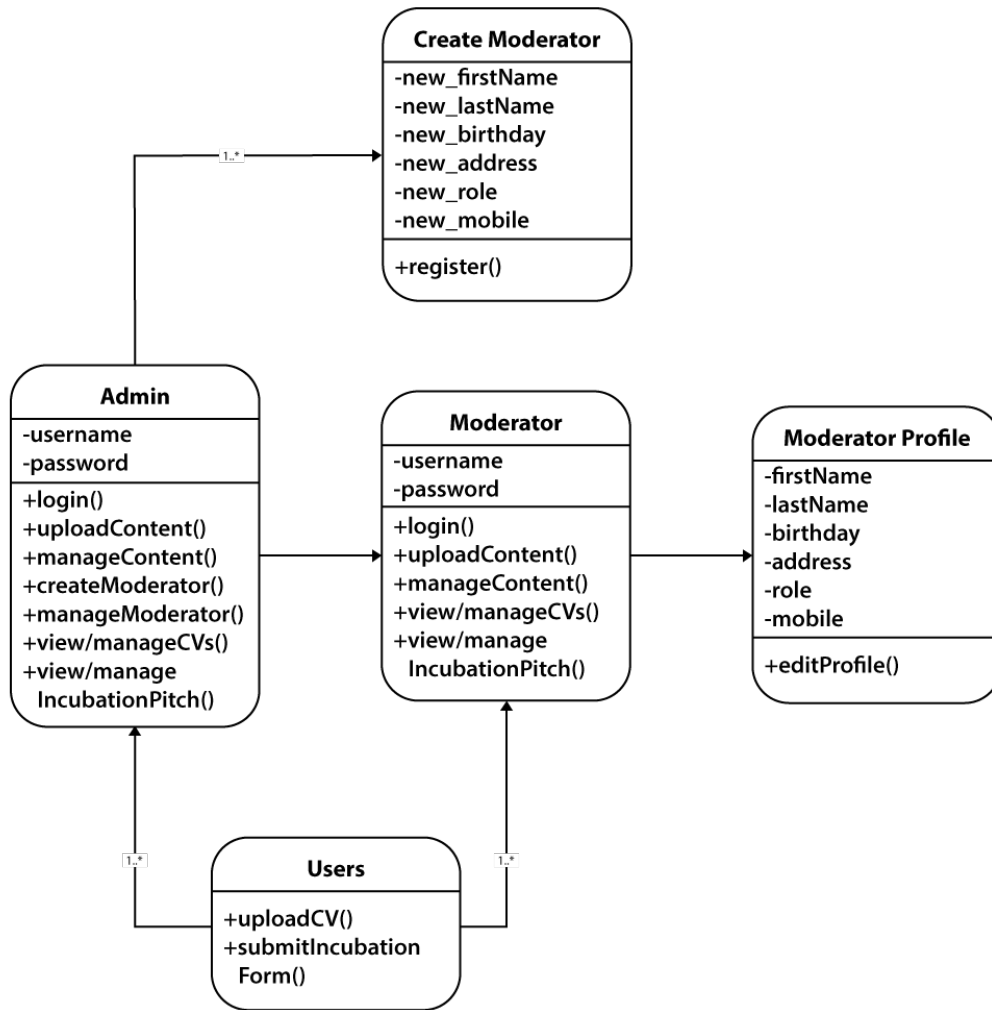


Fig: Class Diagram

### 5.3.3 Functional and Non-Functional Requirements

**Functional Requirements:** Functional requirements define the basic system behavior. This includes what the system does or can not do and can be thought of in terms of how the system responds to given inputs. Features that allow the system to function as it was intended. If the functional requirements are not met, the system will not work. Functional requirements are product features and focus on user requirements.

Functions	Input	Process	Output
Visit Website	Enter Website Domain	Load Data from Server & Database	Show website with dynamic data
Submit Incubation Pitch (by Users)	Fill form and upload presentation	Form Processes into Database	Successful Submission Confirmation Message
Submit CV (by Users)	Fill questionnaires & upload Curriculum Vitae	Form Processes into Database	Successful Submission Confirmation Message
Write Blogs	Input Admin/Moderator Username & Password	Match with the registered username & password	Dashboard appears to write blogs
Manage Contents	Input Admin/Moderator Username & Password	Match with the registered username & password	Dashboard appears to upload/manage contents
Manage Moderator (by Admins)	Input Admin/Moderator Username & Password	Match with the registered username & password	Dashboard appears to create/delete moderators

**Non-Functional Requirements:** Non functional requirement specifies the quality attribute of a software system or a project. The software system is judged based on the responsiveness, usability, security, portability and the other non-functional standards that are critical to the success of the software system.

This non-functional requirement allows us to impose constraints on the design of the system across the various agile backlogs.

- **Performance and Scalability:** This defines how fast the system returns results and how much it performs with the change of higher workloads. After launching our system we will test the system in GTMetrix and google page speed to see the speed and response. We will work on the optimization as per our plans. As this system may be used by many users at a time, so there is a possibility that the website might slow down due to traffic. Considering all these things we are planning to improve the speed of the system.

- **Portability and compatibility:** This determines which operating systems, browsers, hardware and their versions does the website run on and whether it conflicts with other processes within these environments.

- **Security:** How are the system and its data protected against attacks? In our system we have validated everything so that spam codes can not harm our system.

- **Usability:** It means how easy it is for our users to use the system. Senoark has been built in such a way that every process connects with another process with very less dependencies on the backend side. Users will be able to run the system very easily.



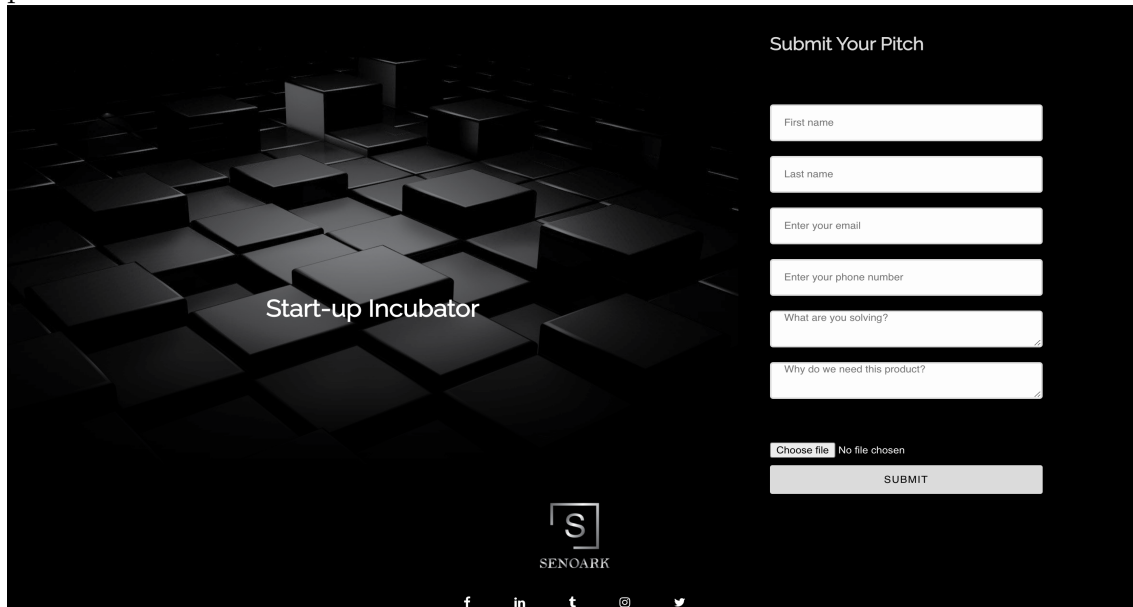
## 5.4 Product Features

Here I have included all the features a user will receive from this project.

### 5.4.1 Input and Output

#### Startup Incubation Page

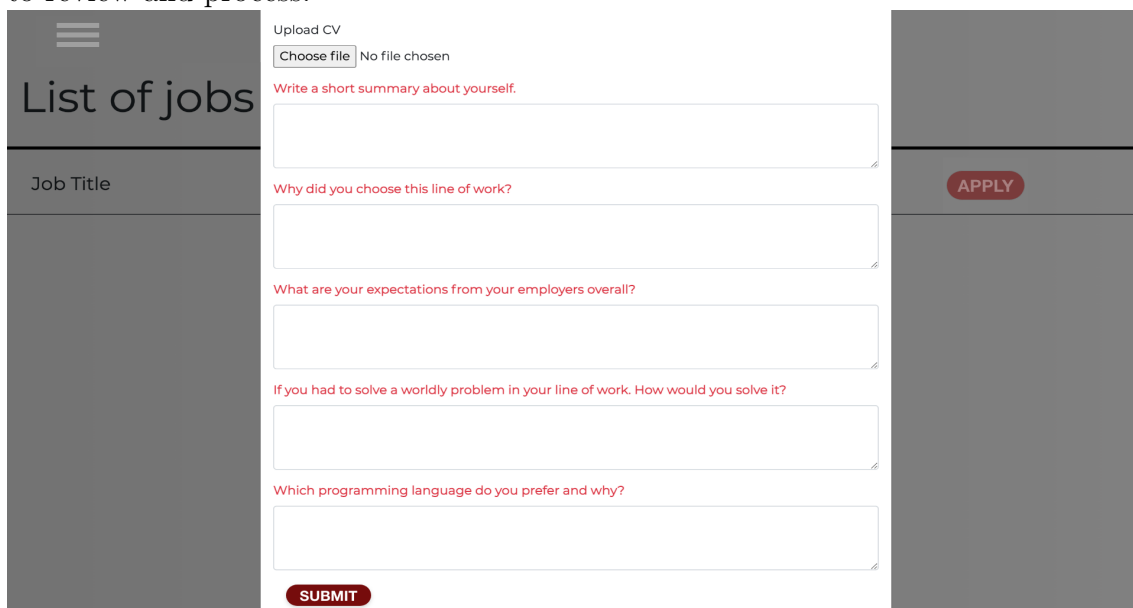
The users who want to kickstart their ideas can fill this form for Senoark to review and process.



The screenshot shows a dark-themed web page for 'Start-up Incubator'. On the left, there's a 3D grid of cubes with the text 'Start-up Incubator' overlaid. On the right, a form titled 'Submit Your Pitch' contains several input fields: 'First name', 'Last name', 'Enter your email', 'Enter your phone number', 'What are you solving?', and 'Why do we need this product?'. Below these is a file upload section with a 'Choose file' button and 'No file chosen' text, followed by a 'SUBMIT' button. At the bottom center is the Senoark logo, and at the bottom are social media icons for Facebook, LinkedIn, Tumblr, Instagram, and Twitter.

#### Career Page

The users who want to join Senoark for any job openings can fill this form for Senoark to review and process.



The screenshot shows a web page titled 'List of jobs'. On the left is a sidebar with a hamburger menu icon and the text 'List of jobs'. Below it is a section labeled 'Job Title'. The main content area contains a form for job applications. It starts with an 'Upload CV' section with a 'Choose file' button and 'No file chosen' text. Below this are five text input fields with red placeholder text: 'Write a short summary about yourself.', 'Why did you choose this line of work?', 'What are your expectations from your employers overall?', 'If you had to solve a worldly problem in your line of work. How would you solve it?', and 'Which programming language do you prefer and why?'. At the bottom of the form is a 'SUBMIT' button. On the right side of the page, there is a vertical grey bar with an 'APPLY' button.

## Admin/Moderator Login Page

Admins and Moderators will be able to login through this page.

SENOARK WEBSITE MANAGER

USERNAME

PASSWORD

LOGIN

## Admin/Moderator Login Page

This is the view of the Super-Admin/Admin dashboard.


**Note:** The Moderator dashboard is the same except that he/she would not be able to create or manage other moderators

SENOARK WEBSITE MANAGER

VISIT SITE

LOGOUT

SUPER ADMIN



MUIZ SHAHABUDDIN

EDIT PROFILE

CREATE MODERATORS







MANAGE MODERATORS

POST NEW JOB OPENING

EDIT SITE CONTENTS







UPLOAD BLOGS

STARTUP INCUBATOR PITCH PROPOSALS

1	Shouvon Dash	
2	Ragib Rahman	
3	Ashiqur Ibn Hasan	
4	Faisal Alam	
5	Joheb Hassan	
6	Rohan Ahmed	

VIEW FULL PAGE

CV SUBMISSION FOR RECRUITMENT

1	Shouvon Dash	
2	Ragib Rahman	
3	Ashiqur Ibn Hasan	
4	Faisal Alam	
5	Joheb Hassan	
6	Rohan Ahmed	

VIEW FULL PAGE

### Creating a new job post

This is the view of the form that is to be filled to create a new job post.

The screenshot shows the 'Create New Job Post' form in the SENOARK WEBSITE MANAGER. The interface has a dark theme. On the left is a sidebar for the 'SUPER ADMIN' MUIZ SHAHABUDDIN, with buttons for 'EDIT PROFILE', 'CREATE MODERATORS', and 'MANAGE MODERATORS'. The main form area contains a plus icon at the top left, followed by a 'JOB TITLE' input field, a large 'JOB DESCRIPTION' text area, a 'SALARY' input field with a 'TK' unit selector, and radio buttons for 'PART TIME' and 'FULL TIME'. A red 'POST' button is at the bottom right. The top navigation bar includes 'VISIT SITE' and 'LOGOUT' links.

### Creating a new blog post

This is the view of the form that is to be filled to create a new blog post.

The screenshot shows the 'Create New Blog Post' form in the SENOARK WEBSITE MANAGER. The interface is similar to the job post form. The sidebar on the left is identical. The main form area contains a plus icon at the top left, followed by a 'BLOG TITLE' input field, a large 'ARTICLE DESCRIPTION' text area, and an 'UPLOAD IMAGE' button with an upload icon. A red 'POST' button is at the bottom right. The top navigation bar includes 'VISIT SITE' and 'LOGOUT' links.

## Creating a new Moderator

This is the view of the form that is to be filled to create a new moderator

**Note: Only the Super-Admin/Admin has access to this view.**

**SENOARK WEBSITE MANAGER** VISIT SITE LOGOUT

**SUPER ADMIN**

**MUIZ SHAHABUDDIN**

[EDIT PROFILE](#)

[CREATE MODERATORS](#)

[MANAGE MODERATORS](#)

**CREATE MODERATOR FORM:**

- [UPLOAD IMAGE](#)
- FIRST NAME  LAST NAME
- Moderator Username
- Moderator Password
- ROLE ☒
- NID NUMBER
- [POST](#)

## Editing Contents

This is the view of the page that helps to manage all the contents.

**SENOARK WEBSITE MANAGER** VISIT SITE LOGOUT

**SUPER ADMIN**

**MUIZ SHAHABUDDIN**

[EDIT PROFILE](#)

[CREATE MODERATORS](#)

[MANAGE MODERATORS](#)

**BLOGS**

1	ZULKER NIEN	<a href="#">EDIT</a> <a href="#">DELETE</a>
2	ZULKER NIEN	<a href="#">EDIT</a> <a href="#">DELETE</a>
3	MUIZ SHAHABUDDIN	<a href="#">EDIT</a> <a href="#">DELETE</a>
4	MALIHA RAHHAM	<a href="#">EDIT</a> <a href="#">DELETE</a>
<a href="#">VIEW ALL</a>		

**STARTUP INCUBATION**

1	SHOUVON DASH	<a href="#">EDIT</a> <a href="#">DELETE</a>
2	RAGIB RAHMAN	<a href="#">EDIT</a> <a href="#">DELETE</a>
3	ASHIQR IBN HASAN	<a href="#">EDIT</a> <a href="#">DELETE</a>
4	FAISAL ALAM	<a href="#">EDIT</a> <a href="#">DELETE</a>
5	JOHEB HASSAN	<a href="#">EDIT</a> <a href="#">DELETE</a>
6	ROHAN AHMED	<a href="#">EDIT</a> <a href="#">DELETE</a>
7	RAIHAN CHOWDHURY	<a href="#">EDIT</a> <a href="#">DELETE</a>
8	DEWAN OSMAN	<a href="#">EDIT</a> <a href="#">DELETE</a>
9	REZA ALI	<a href="#">EDIT</a> <a href="#">DELETE</a>
10	SHUBORNO ISLAM	<a href="#">EDIT</a> <a href="#">DELETE</a>
11	MAHER KHAN	<a href="#">EDIT</a> <a href="#">DELETE</a>
<a href="#">VIEW ALL</a>		

**JOB RECRUITMENT**

1	DILIP KUMAR DAS	<a href="#">EDIT</a> <a href="#">DELETE</a>
2	NAWSHIN ARA	<a href="#">EDIT</a> <a href="#">DELETE</a>
3	SALIM CHOWDHURY	<a href="#">EDIT</a> <a href="#">DELETE</a>
4	SHIKHTO PAYEL	<a href="#">EDIT</a> <a href="#">DELETE</a>
<a href="#">VIEW ALL</a>		

### 5.4.2 Architecture

To develop this project, we have used ASP .net Core with Reactjs which is a powerful .net frame-work. It is based on the MVC pattern. The model contains a function which is used to insert, retrieve and update information from the database. The view is made with Reactjs which contains the data that is presented to the user. The controller is used to connect model and view to process HTTP access and this generates a web page. Controller receives all the requests and passes it to the model and view. When a user visits the website it views information. When he performs an activity the request is received by the controller which then works as an intermediary between model and view.

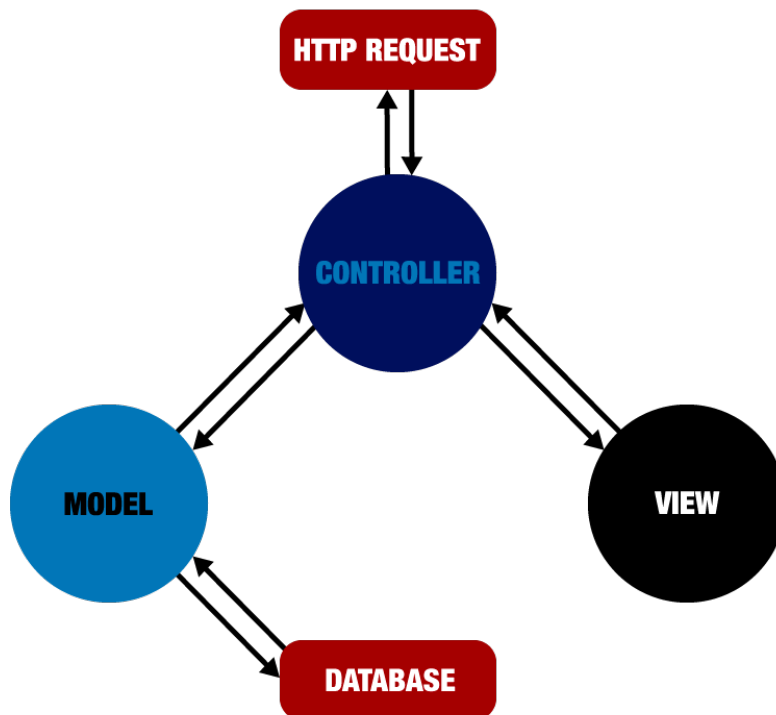


Fig: Architecture

# Chapter 6

## Results & Analysis

In this table below, I have given the results of tasks that I have worked on. Each task performs successfully if it meets the conditions that are provided. Initially, some of these tasks had some bugs but these were fixed after several tests. All these tasks are tested on local hosting. Some of these tasks have some shortcomings which are not implemented yet have been mentioned above. These will be worked later on. As these tasks do not show any bugs or errors, so the error rate has been stated as zero.

Back End development is completed and changes are being made in Front End. Apart from the development team, the client has also tested some of the tasks that were implemented before. The rest will be shown at the next meeting. The tasks that I have mentioned above have also been tested live and show the same results. After the project is completed and before going live, it will be tested again and changes will be made if required.

Fig: Result Table for User

TASK	DESCRIPTION	CONDITIONS	SUCCESS RATE	SHORTCOMINGS	WORKING(YES/ NO)
Submit Startup Incubation Form	User needs to fill up the form and upload a presentation file.	User needs to have a computer, laptop or smartphone connected to an internet.	100%	After the submit button is clicked, the user cannot review the form. Only a confirmation to his/her provided mail is sent.	YES
Submit Job Posting Form	User needs to fill up the form and upload his/her cv.	User needs to have a computer, laptop or smartphone connected to an internet.	100%	After the submit button is clicked, the user cannot review the form. Only a confirmation to his/her provided mail is sent.	YES

Fig: Result Table for Admin

TASK	DESCRIPTION	CONDITIONS	SUCCESS RATE	SHORTCOMINGS	WORKING(YES/ NO)
Create Moderator	Admin can create a profile	Admin needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Delete Moderator	Admin can delete a profile	Admin needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Create Blog Posts	Admin can create a blog post	Admin needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Edit Blog Posts	Admin can edit a blog post	Admin needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Delete Blog Posts	Admin can delete a blog post	Admin needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Manage Incubation Submissions	Admin can view and delete a submission	Admin needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Manage Job Recruitment Submissions	Admin can view and delete a submission	Admin needs to have a computer, laptop or smartphone connected to an internet.	100%		YES

Fig: Result Table for Moderators

TASK	DESCRIPTION	CONDITIONS	SUCCESS RATE	SHORTCOMINGS	WORKING(YES/ NO)
Create Blog Posts	Moderators can create a blog post	Moderator needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Edit Blog Posts	Moderators can edit a blog post	Moderator needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Delete Blog Posts	Moderators can delete a blog post	Moderator needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Manage Incubation Submissions	Moderators can view and delete a submission	Moderator needs to have a computer, laptop or smartphone connected to an internet.	100%		YES
Manage Job Recruitment Submissions	Moderators can view and delete a submission	Moderator needs to have a computer, laptop or smartphone connected to an internet.	100%		YES



# Chapter 7

## Project as Engineering Problem Analysis

### 7.1 Sustainability of the Project/Work

The website has been made sustainable by making these small yet significant changes.

- 1. Image optimization to reduce file size:** The size of the images and resolution has been kept fixed so that it does not burden load time and energy consumption. Moreover, the maximum number of images per blog has also been kept fixed.
- 2. Delete unnecessary data:** We plan to delete unnecessary data periodically once a year so that we can free up space of our database. These may include users who are inactive for more than a year, categories, unused themes, etc.
- 3. Site Navigation:** We have kept the website as simple as possible so that users do not find it difficult to use the website. So they do not need to click around the website and easily find the required information.

### 7.2 Social and Environmental Effects and Analysis

- 1. Social Effect:** A lot of people have many million dollar ideas but they do not know who to go to, from where to start, how to implement. The startup incubator gives them an opportunity to light the bulb and bring their ideas to reality. Pointing them to a direction and kickstarting their idea.
- 2. Environment Effect:** With growing people and growing businesses means growth of this company. Thus, the growth of the user is directly proportional to the booming of the company and it goes both ways. Cooperation from both the ends would be a key factor in this case. So the company relies on the environment for its betterment.

### 7.3 Addressing Ethics and Ethical Issues

People around the world have got a different set of ethics. Problems might arise when one's ethics are pointed wrong by others which may cause some kind of unwanted uneasiness. Other issues may arise if a person copies other's idea without the person's permission and does not give credit to the person. Thirdly, a person may have issue with one of the blogs posted which would cause a problem if a copyright issue is imposed. All these issues will be monitored by authorized Admins so that ethical issues can be avoided. The company/superadmin also plans to provide ethical guidelines to the moderators which will include copyright and credit, validation of post, spam content, deactivation of the moderator if required so that all the issues mentioned can be handled.

# Chapter 8

## Future Work & Conclusion

### 8.1 Future Works

Here are some future work for this website -

- User profiles
- Chat Support
- Tracking service to check progress of submission
- Monetize the whole website

### 8.2 Conclusion

I have given a detailed information about the website in this report. The background, benefits, how it works, the methodology used, results, etc. This project consists of front-end (Ui design, Web Design, html, css, js and conversion to reactjs) and back-end with ASP.net Core needed for Startup Incubation, Job Posting, and Admin Dashboard that I have worked on during my Internship program.

Admin has the option to post blogs, create moderators, review CVs and Incubation submissions. Admin also has the option to delete all these contents of a user or moderator if he/she thinks is an outdated post. I have completed the parts that I was assigned to and these are working properly and is now developed.

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