<ASK ME>

Iteration Plan

[Note: Text enclosed in square brackets and displayed in blue italics (style=InfoBlue) is included to provide guidance to the author and should be deleted before publishing the document.]

# 1. Key milestones

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Milestone** | **Start Date** | **End Date** |
| 1- | We move to Frontend, for that purpose we use **React JS** as a Frontend. **React JS** is a JavaScript Library for creating UI, which has ability to render pages quickly in lesser amount of time. We use **Bootstrap** for designing of web application and **Redux** for management of all the data and information circulating around the web application.  For the first part, we setup React Application and create the frontend design of every page with the help of CSS and Bootstrap. The Designs and UI Components includes:  **Components:**   1. Header 2. Footer 3. Loader 4. Custom Validation Message Component 5. Carousel 6. Form Container 7. Question   **Pages UI:**   1. Login Page 2. Register Page 3. Home Page 4. Profile Page 5. Create Question Page 6. View Question Page 7. Edit Question Page 8. Answer Edit Page 9. User List Page (For Admin Only) 10. Expert Approve Page (For Admin Only)   and many others  We achieved the main and important milestone for the frontend UI for the user interaction. |  |  |

# 2. High-level objectives

**Objective-4 | Frontend React JS and UI:**

React JS is a component based library which is really fast and handy to develop frontend UI for users. We decided to choose React JS since it works really nice by creating its own Virtual DOM and compare it to the DOM of browser to make changes to only part which is edit which makes it faster and reliable. React JS is really fast and popular around the world and it is using in whole world, which lets us to choose this technology.

We develop reusable components and highly responsive User Interface with React JS and design the pages with Bootstrap to make it aesthetically good for the users.

# 3. Evaluation criteria

**Frontend React JS and UI Implementation:**

We implement the frontend with React JS and Bootstrap and test the design from every aspect and came to conclusion that we choose the best technology working around the world and it has the best way to implement the frontend since we can combine the JavaScript and HTML CSS all in one component and can make magic with them.

We develop reusable components and highly responsive User Interface with React JS and design the pages with Bootstrap to make it aesthetically good for the users. Everything is working fine under these technologies and every implementation worked using React JS.

# 4. Work Item assignments

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Work Item ID** | **Name or key words of description** | **Outcome** | **State** | **Assigned to (name)** | **Estimated Hours** | **Hours worked** | **Estimate of hours remaining** |
| 4.1 | React JS Setup | Setup React JS and build UI Components to use them later into the application and create separate pages of every user Experience | Complete | Sahil | 2 weeks | 2 weeks | 0 |
| 4.2 | Bootstrap Setup with React JS | Designed the whole website with the integration of React JS. Made separate CSS file and linked the file to every single page to make it aesthetic and responsive | Complete | Sahil | 1 month | 1 month | 0 |

# 5. Issues

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Issue** | **Status** | | **Notes** | |
| The last issue we faced to connect the Redux and Thunk to the front end React. | | We found the documentation of Redux and some videos to help us through the process. | | We implement the Redux with its independent structure following Actions, Reducers which handles the state of the application and use across the whole application. | |

# 6. Assessment

**Assessment:**

We assess the Product all at once in the end and we came to some conclusions, which are mentioned below:

|  |  |
| --- | --- |
| Assessment target | Analysis of the Product |
| Assessment date | 31st May 2022 |
| Participants | Zaryab, Sahil |
| Project status | Green |

* **Assessment against Objectives:**

We were able to successfully make all the APIs and use them through Redux in Fronend application.

* **Work Items: Planned compared to actually completed:**

We plan everything to complete in certain amount of time and successfully completed the Scalable Product.

**Addition Work Item:**

In the end we decided to add the extra feature which helps the student to close the discussion of the question, which means no one can answer further on the question.

* **Assessment against Evaluation Criteria Test results:**

**Incomplete Item:**

We worked on it and after some thought process; we added the feature to close the Discussion of the Question to facilitate the Student so the solutions cannot overwhelm he/she.

* **Other concerns and deviations:**

We happened to have a discussion with one of the stakeholder who promised us to give the healthy amount for the growth of the Product. There is still not any conclusion but the discussion goes on.