<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- | Then we achieve another milestone by creating the Restful APIs for every model. The APIs are programmable interface to create functions to perform any operation. The APIs from for every Model are:  **User:**   1. Login 2. Register 3. Get User Profile 4. Update User Profile 5. Get Users (For Admin Only) 6. Delete Users (For Admin Only) 7. Approve Expert (For Admin Only)   **Question:**   1. Create Question 2. Get All Questions (of logged In User) 3. Edit Question 4. Delete a Question 5. Close Question Discussion   **Answer:**   1. Create Answer 2. Get All Answers (of specific Question) 3. Edit Answer 4. Delete an Answer   **Support:**   1. Create any query ( to ask from Admin) 2. Get all Queries (Only for Admin)   **Image Uploading API:**  Since we don’t have any facility to store Image so we created are our own self written Image Uploading API from the backend to store the Image name in database and store the actual Image in separate “Uploads” folder using the core functionality of Node JS.  We achieve all these milestones from backend which fully completed our backend part for the following technologies: Node JS, Express JS, MongoDB. |  |  |

# 2. High-level objectives

**Objective-3 | Restful APIs from backend:**

After choosing the backend stack, we searched about the Restful APIs and their purpose and how they can be so easy to work with any system inside or outside. We gather information to create APIs using Node JS and Express JS and store the processing data into MongoDB database. We generate APIs with the help of Node JS and Express with library for MongoDB called Mongoose. The purpose of restful APIs is that they contain some information which can be used in any application and they are so handy and we can make them and even deploy it on live server to use them anywhere around the world.

# 3. Evaluation criteria

**Evaluation of Restful APIs from backend:**

After choosing the backend stack, we searched about the Restful APIs and their purpose and how they can be so easy to work with any system inside or outside. We gather information to create APIs using Node JS and Express JS and store the processing data into MongoDB database. We generate APIs with the help of Node JS and Express with library for MongoDB called Mongoose. The purpose of restful APIs is that they contain some information which can be used in any application and they are so handy and we can make them and even deploy it on live server to use them anywhere around the world.

We generate all the APIs with Node and Express and everything is working fine under this condition.

# 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** |
| 3 | APIs | Generate API functions for every module which includes User, Question, Support and Answers | Complete | Zaryab | 2 months | 2 months | 0 |

# 5. Issues

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Issue** | **Status** | | **Notes** | |
| The biggest problem was to design the web application. Since it is an art work and only an Artist can paint the design which can look attractive. | | We found out some UI Libraries and decided to choose Bootstrap. | | We made the reusable components which can be spread across the whole website, then design every page to show for user. Bootstrap made it easy in many aspects of designing. | |

# 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:**

The database is working fine; the security of the web application is fully implemented according to the latest rules.

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

**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:**

There was only one missing option for the user, which was the discussion of the Question.

* **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.