De Silwa A.P.G.R

IT21806636

**Trainee Diary Online System**

**Functional Requirements**

1.Trainee Login

2.View diary

3.Update diary

4.Delete diary

5.Calendar and Scheduling

6.. Reporting and Analytics

**Nonfunctional Requirements**

1.Performance:

Response Time

Scalability

Throughput

2.Reliability:

Availability

Fault Tolerance

3.Security:

Data Privacy

Authentication and Authorization

Data Encryption

4.Usability:

User Interface (UI)

Accessibility

5.Maintainability:

Code Maintainability

Modularity

**Technical Requirements**

1. Web-based Application
2. Back end -Node JS
3. Font end - React
4. Database-Mongo DB
5. UX/UI- Figma

**Use Case scenario**

|  |  |  |
| --- | --- | --- |
| **Use Case Name** | Trainee Diary | |
| **Actor** | Trainee | |
| **Goal** | Setting up a diary for Trainees | |
| **Overview** | when Trainee enters their daily task into the system | |
| **Pre-conditions** | The Trainner loging to the system | |
| **Post-conditions** | The Trainner updates their diary | |
| **Basic path** | **Step** | **Action** |
|  | 1 | Go to the login page and enter login credentials |
|  | 2 | Display in diary Page. |
|  | 3 | User updating the diary |
|  | 4 | Adding additional information using the form |
| **Alternative path** | **step** | **Action** |
| 1.a | If the User enters an invalid login credentials suggestion, forget password option to change the password |
| 1.b | System detects invalid information |
|  | 4.a | If the user presses back from the form page,it sends them back to the diary page |
| **NFRs** | 1.Trainee Login  2.View diary  3.Update diary  4.Delete diary  5.Calendar and Scheduling  6.Reporting and Analytics | |
| **TRs** | 1. Web-based Application 2. Back end – Node JS 3. Front end – React 4. Database – mongo DB 5. UX/UI – figma | |