Project Design Phase-II

Solution Requirements (Functional & Non-Functional)

|  |  |
| --- | --- |
| Date | 15 October 2022 |
| Team ID | PNT2022TMID10060 |
| Project Name | Flight Delay Prediction |
| Maximum Marks | 4 Marks |

# Functional Requirements:

Following are the functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | User Registration | Registration through Form Registration through Gmail |
| FR-2 | User Confirmation | Confirmation via Email Confirmation via OTP |
| FR-3 | Log In | * Log in with give user credentials |
| FR-4 | Support | * Support option provided for queries and contact customer support team |
| FR-5 | Prediction of delay | * Requesting for prediction by providing details of flight * Shows prediction results |
| FR-6 | Trust ability of prediction | * Gives the confidence percentage about their prediction |
| FR-7 | Notify User | * Notify user with the prediction, if they wish * Notify user about flight arrival before 1 hour |
| FR-8 | Get Feedback | * Get feedback about their experience * Request give rating |
| FR-9 | Log Out | * Log out from the application |

# Non-functional Requirements:

Following are the non-functional requirements of the proposed solution.

|  |  |  |
| --- | --- | --- |
| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | Web app is provided with smooth and user-friendly  GUI. |
| NFR-2 | **Security** | Data security of user is ensured with IBM Cloud  security, login with your secured login credentials . |
| NFR-3 | **Reliability** | This web app have reliability by deploying in IBM  Watson. |
| NFR-4 | **Performance** | 50 request per second is handled. |
| NFR-5 | **Availability** | 99% avail with the help of IBM Cloud. |
| NFR-6 | **Scalability** | It had high scalability by having ability to extend  there computational resource when request came. |