**Project Design Phase-II**

**Solution Requirements (Functional & Non-functional)**

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| Date | 22 May 2023 |
| Team ID | PBL-NT-GP-10533-1682762877 |
| Project Name | Competitive analysis of leading travel aggregators |

**Functional Requirements:**

Following are the functional requirements of the proposed solution.

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| **FR No.** | **Functional Requirement (Epic)** | **Sub Requirement (Story / Sub-Task)** |
| FR-1 | Search and Booking functionality | Provide users with advanced filters to refine their search results based on specific criteria such as flight duration, layovers, hotel ratings etc,.. |
| FR-2 | Multiple travel service integration | Ensure that the aggregators inventory, availability and pricing information are updated in real time. |
| FR-3 | Price comparison and best deals | Offer synchronization across multiple platforms and devices allowing users to access their itineraries and booking. |
| FR-4 | User reviews and ratings | Optimize the booking process by reducing the number of steps required to complete a reservation |
| FR-5 | Security payment processing | Send users timely travel alerts and notifications about flight delays, gate changes and cancellation. |
| FR-6 | Integration with external services | Integrate with popular trip planning tools or travel management platforms to enable users. |

**Non-functional Requirements:**

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

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| **FR No.** | **Non-Functional Requirement** | **Description** |
| NFR-1 | **Usability** | The usability of leading travel aggregators is crucial for providing a positive user experience and ensuring the users. |
| NFR-2 | **Security** | Utmost importance to protect user data, financial information and ensure a safe browsing and booking experience. |
| NFR-3 | **Reliability** | The reliability and performance of any specific travel aggregator can vary over time. Some reliable platforms are Skyscanner and kayak |
| NFR-4 | **Performance** | The performance of aggregators depends on accuracy and real time updating of prices. |
| NFR-5 | **Availability** | The availability of specific aggregators & the services they offer may have expanded. This enables user to access their services and search for travel options. |
| NFR-6 | **Scalability** | The scalability of travel aggregators are user traffic , database management , diversification of services |