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**Losung360 Co. LTD.**

**PRODUCT REQUIREMENT DOCUMENT**

Enhancement of the AIRCRAFT MODEL option in the settings area of the EXPEDIA browser and mobile app's flight booking procedure.

27/09/2023.

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| **1.EXECUTIVE SUMMARY**   |  |  | | --- | --- | | **Project / Change Details** | | | **CR Number/JIRA ID** | CR - 1 | | **Functionality Name** | A filter for aircraft models will be introduced to the Expedia browser and mobile app for booking flights. | | **Business Analyst** | Akash Gupta | | **Application Name** | Expedia Web portal and Mobile app. |   **2.INTRODUCTION**   * + 1. **Purpose of Document –** To describe the improvement/change in detail, including its usefulness concerning to the customer experience.     2. **Project Summary –** Aircraft model feature must be included in a booking option of flights using the Expedia mobile application or web portal link, as well as in the flights' filter option.     3. **Project Scope –** It Would improve customer convenience, offering further functionality to make booking more accurate, and remove a few challenges associated with the aircraft model that is revealed after booking.     4. **System Purpose –**        - 1. **Users –** User/Client purchasing airline tickets.          2. **Location** – Flight booking feature on the app and website.          3. **Responsibilitie**s - Fulfill the necessary requirements.          4. **Need** – To make the user's flight booking experience smooth and simple.  1. **REQUIREMENT SCOPE**   **This PRD flow is applicable for Web Browser as well as Mobile Application.**  When a user visits any platform to book a flight, they provide the following information: trip type (return, one-way, multi-city), flying from, flying to, choosing dates, passengers, and preferred class.  Therefore, the user will be given the option of selecting the AIRCRAFT Model from which the search results will be retrieved.  Following the Search option, the Flights listing would be presented, with another choice - AIRCRAFT Model - with a selection of aircraft models and the selected aircraft model auto-checked in the list.  In addition, each flight listing must include the AIRCRAFT Model information among the data.  **API INTEGRATIONS & DATABASE CHANGES –**  **API Changes -**  The same API that was used to retrieve the data for the flight booking would be utilized, with the addition of a field (AIRCRAFTMODEL) in the Request/Response if it was not already there.  The API utilized for the filter functionality in the flights post search option would also need to be adjusted to include an extra field (AIRCRAFTMODELS) in the Request/Response that would fetch the data of the aircraft models based on the check box chosen in the filter section.  **Data-Base Changes –**  If not already available, the database must be updated with all aircraft model data based on total flights.  To update the database, an update query must be conducted if possible after monitoring the database's load.   1. **FUNCTIONAL OBJECTIVES**    * 1. **High Priority –** The ability to choose the aircraft model should be included to the options that make up the flight booking flow.      2. **Medium Priority** – To include the AIRCRAFT MODEL in the flight information given in the flights listing for a certain search.      3. **Low Priority –** None.      1. **SOLUTION SCOPE**   Summarize the project vision and scope statements from earlier project material to assure that everyone understands the goals of the project and to provide room for clarification of any statements that may need to be made as time goes on. Earlier project activities must be restarted if scope has changed since the official documentation's representation of reality and the signatures it contains are no longer valid.  **5.1: Summary of Regulatory, Business, and User Requirements**  All project endeavors must be connected to regulatory, strategic, tactical, and operational goals and consume organizational resources. The objectives and priorities of your project will vary if the business objectives or their relative importance change throughout the project.  **5.2: Assumptions, Dependencies,** **Infrastructure Requirement/Expected changes, and Constraints**  **Assumptions**  Ex. Resources, timetable, and budget  **Dependencies**  For instance, other projects' resources, applications, and systems that interact with them, hardware, facilities, equipment, business processes, regulatory approvals, stakeholders' and users' accessibility, compliance with approval and change management procedures.  **Infrastructure Requirement/Expected changes:**  For example, regulatory, technological, or business realities that properly limit solution development.  **Constraints**  For example, regulatory, technological, or business realities that properly limit solution development.  NON-FUNCTIONAL OBJECTIVES Describe any aspects of the solution that aren't immediately relevant to how the suggested system works. These standards must have precise, numerical definitions that feed the project's quality strategy.  6.1: User Interface Requirements  6.2: User Access/Security Requirements  6.3: Business Continuity and Recovery Requirements  6.4: Integration/Migration Requirements  6.5: Administrative/Backup/Archive Requirements  6.6: Documentation Requirements  6.7: Training Requirements IMPLEMENTATION REQUIREMENTS: TRANSITION REQUIREMENTS. Features of the solution that are necessary to make it easier to implement but are not directly linked to how the proposed system works are documented. These criteria are transitory and transition-specific, and they won't be required after the solution is implemented.  **7.1**: Requirements for the Generation of Production Data  **7.2**: Requirements for the Conversion and Migration of Production Data  **7.3**: Other Implementation Requirements GLOSSARY Identify any acronyms, frequent terminology used in certain contexts, specific terms, or industry- or line-of-business jargon that is utilized inside the project or the business requirements document itself.  APPENDIXESDependent CR matrix <If the CR cuts across applications, CR raised for other applications need to be made available here>  **Test scenario matrix**  <Clearly highlight how a business rule is to be tested using a test scenario and map it back> Attachments and Screen shots if applicable <This section will contain any attachments and screen shots to supplement the CR> Mail Content <This section will contain all the emails sent across for discussion on this CR. This should not be used as an information repository but only for tracking purpose>  ############################################################# | | |
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