**Systems Analysis and Design**

**Phase 1 Non-Functional Requirements**

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| **Non-Functional Requirement**  **Category** | **Requirements** | **Use Cases** |
| Security | -Implement secure authentication, authorization, and data encryption.  -Protect user data, maintain privacy, and comply with regulations. | All Use Cases |
| Performance | -Ensure acceptable response times and load times.  -Provide a responsive, smooth, and efficient user experience. | All Use Cases |
| Usability | -Design an intuitive and user-friendly interface following industry best practices for mobile and web applications.  -Ensure compliance with accessibility guidelines for users with disabilities. | All Use Cases |
| Compatibility | -Ensure compatibility with various devices (computer, mobile phone, tablet, etc.), operating systems (Windows, Linux, Macos, Android, IOS, etc.) and browsers (Chrome, Edge, Firefox, Safari, Opera, Brave, etc.)  -Support different screen sizes and resolutions. | All Use Cases |
| Capacity | -Design the system architecture to handle an increasing number of concurrent users and data without performance degradation. | All Use Cases |
| Availability | -Ensure high system availability with minimal downtime, even during peak usage periods. | All Use Cases |
| Localization | -Support for most languages for travel, particularly for Ireland, in the user interface and content.  -Provide localization options such as date/time formats and currency based on user preferences.  -Support for translation plugin for all languages. | All Use Cases |