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| **EX NO:**  **DATE:** | **SOFTWARE REQURIEMENT SPECIFICATION** |

**FAMILY TOURIST**

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**1. Introduction**

**1.1 Purpose**

The purpose of this website is to provide families and tourists with detailed information about various islands, sightseeing spots, hotel accommodations, and tour packages. It allows users to browse, search, and book hotels or packages conveniently online.

**1.2 Scope**

The website provides:

* Island information and attractions
* Hotel listings with pricing and booking options
* Online booking form with secure payment integration
* Contact page and customer support form
* Admin panel to manage hotels, packages, and bookings

**1.3 Definitions, Acronyms, and Abbreviations**

* **SRS** – Software Requirement Specification
* **UI** – User Interface
* **DB** – Database
* **CRUD** – Create, Read, Update, Delete

**1.4 References**

* HTML, CSS, JavaScript official documentation
* Bootstrap framework documentation
* MySQL or Firebase documentation (depending on DB used)

**1.5 Overview**

This document describes the functional and non-functional requirements of the website, its system interfaces, user interfaces, and constraints.

**2. Overall Description**

**2.1 Product Perspective**

The website is a standalone web-based system integrated with a backend database to manage users, hotels, bookings, and payments.

**2.2 Product Features**

| **Feature** | **Description** |
| --- | --- |
| Island Info | Display details about islands, sightseeing, and tourist attractions |

|  |  |
| --- | --- |
| Hotel Listings | Display hotels with pricing, availability, and images |
| Booking System | Users can book hotels/packages online |
| Admin Panel | Admin can manage hotels, bookings, and content |
| Contact Form | Users can submit queries or feedback |
| Search & Filter | Users can search by island, hotel, or package |

**2.3 User Classes and Characteristics**

| **User Type** | **Description** |
| --- | --- |
| Tourist/User | Can view islands, hotels, book packages, contact support |
| Admin | Can manage hotels, bookings, and website content |

**2.4 Operating Environment**

* Browser: Chrome, Firefox, Edge, Safari
* Frontend: HTML, CSS, JavaScript, Bootstrap
* Backend: Node.js / Python Flask (adjust as per actual)
* Database: MySQL / Firebase

**2.5 Design and Implementation Constraints**

* Responsive design required for mobile and desktop
* Secure payment integration (SSL)
* Fast load times (<3 seconds)

**2.6 Assumptions and Dependencies**

* Users have internet access
* Payment gateway is available and functional

**3. Specific Requirements**

**3.1 Functional Requirements**

| **ID** | **Requirement** |
| --- | --- |

|  |  |
| --- | --- |
| FR1 | Display island information and attractions |
| FR2 | Display hotel listings with images, pricing, and availability |
| FR3 | Allow users to book hotels/packages online |
| FR4 | Admin panel for CRUD operations on hotels and bookings |
| FR5 | Contact form for users to submit queries |
| FR6 | Search and filter by island or hotel |
| FR7 | User authentication for bookings and admin login |

**3.2 Non-Functional Requirements**

* **Performance:** Website loads under 3 seconds
* **Security:** SSL encryption, secure password storage
* **Usability:** Responsive design, simple navigation, accessible UI
* **Scalability:** Support up to 5000 simultaneous users

**3.3 External Interface Requirements**

* **User Interfaces:** Web-based UI, responsive, modern design
* **Hardware Interfaces:** Standard PC, tablet, or smartphone
* **Software Interfaces:** Browser-based, compatible with major browsers
* **Communication Interfaces:** HTTP/HTTPS protocol

**4. System Models**

*(You can add diagrams later)*

* **Use Case Diagram:** User booking hotel, admin managing content
* **Activity Diagram:** Booking process from selection to payment
* **Sequence Diagram:** User login, hotel selection, booking confirmation

**5. Appendices**

* Glossary of terms
* Sample screenshots (once website is ready)
* References and related documentation