Software Requirements Specification for Barambaba Mandir System

Aman Kumar

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1 Objective

The objective of this project is to develop a web application for the Barambaba mandir. The web application will provide the following features:

- Registration and login for Bhakats who want to serve the temple.
- Information about the Puja events and schedule.
- Booking pandit ji for any auspicious ceremonies(marriage,hawan,birthday,vehicle puja,house puja etc.)
- Contacting pandit ji directly.
- Making online donations to the temple.
- Booking tickets for the mela.

2 Requirements

The web application must meet the following requirements:

3 Functional Requirements

- Search for pandit ji by name, location, and availability.
- Book pandit ji for specific dates and times.
- Contact pandit ji directly by phone, email, or chat.
- Make donations to the temple using a variety of payment methods.
- Book tickets for the mela online and track ticket sales and inventory.

4 Non-Functional Requirements

The web application must meet the following non-functional requirements:

1. **Usability**: The web application must be easy to use and navigate for both users and temple staff.
2. **Security**: The web application must be secure and protect user data. This includes using encryption to protect user login credentials and financial information.
3. **Scalability**: The web application must be scalable to handle a large number of users and transactions. This is especially important during the mela season.
4. **Integration**: The web application must be able to integrate with the temple's existing database system. This will allow the system to access and update data about the temple's pandit ji, donations, and mela tickets.

5 Use Cases

The following use cases describe the main interactions between users and the system:

- **Booking Pandit Ji:**
- The user visits the web application and creates an account.
- The user searches for pandit ji by name, location, and availability.
- The user selects a pandit ji and books them for a specific date and time.
- The user pays for the booking online.
- The user receives a confirmation email for the booking.

5.1 Contacting Pandit Ji:

- The user logs in to the system.
- The user selects the pandit ji they want to contact.
- The user selects the contact method they want to use (phone, email, or chat).
- The user sends the message.
- The pandit ji receives the message and responds.

5.2 Making Donations:

- User visits the web application and creates an account.
- User selects the donation amount and payment method.
- User enters their payment information and completes the donation.
- User receives a confirmation email for the donation.

5.3 Booking Mela Tickets:

- User visits the web application and creates an account.
- User selects the mela tickets they want to purchase.
- User pays for the tickets online.
- User receives a confirmation email for the ticket purchase.

6 System Architecture

T The web application will be implemented using a three-tier architecture:

- **Presentation tier:** This tier will be responsible for displaying the user interface and handling user interactions. It will be implemented using HTML, CSS, and JavaScript.
- **Application tier:** This tier will contain the business logic of the web application. It will be implemented using a programming language such as Python or Java.
- **Database tier:** This tier will store the data for the web application. It will be implemented using a relational database management system (RDBMS) such as MySQL or PostgreSQL.

7 Development Methodology

The web application will be developed using the agile development methodology. The agile development methodology is an iterative and incremental approach to software development. It involves breaking down the project into smaller tasks and developing and testing each task one at a time. This allows the team to get feedback from users early and often and to make changes to the project as needed.

8 Cost Estimation

The estimated cost of developing the web application is Rs 15,000. This includes the cost of hiring a team of developers, and hosting the web application.

9 Schedule

The estimated schedule for developing the web application is 2 months.This includes the time for requirements gathering, design, development, testing, and deployment.

10 Conclusion

This SRS document has described the requirements, architecture, development methodology, cost estimate, and schedule for the Barambaba Mandir web application.

The team is committed to delivering a high-quality website that meets the technical, economic, and early completion requirements. The team will also use advanced JS and graphic designing techniques to create a visually appealing and interactive user experience.