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PASSPORT AUTOMATION SYSTEM

Problem Statement:

Passport verification and dispatch to the applicants is the problem which needs synchronization and efficiency. The verification process needs to be done manually in the Regional Passport Officer in the nearby office in the situated district. The application process needs to be simplified for faster passport issuing to the applicants. The applicant can submit the application and the necessary documents to the system. Then the system needs to verify the application status and notify the passport center to dispatch the verified passport. The administrator will be provided with an option to display the current status of the application to the applicant, which they can view in their online interface.

Software Requirement Specification(SRS) of Hotel management system

1 Introduction:

1.1 Purpose of this Document: An SRS forms the basis of an organization's entire project. It sets out the framework that all the development teams will follow. It provides critical information to all the teams, including development, operations, quality assurance (QA) and maintenance, ensuring the teams are in agreement.Considering the fact that the number of applicants for passport is increasing every year, an Automated System becomes essential to meet the demand.

1.2 Scope of this document – The system is mainly for easy management of all the processes and operations taking place during generation of passports. The system will consist of an online framework through which the user can get a preview of the passport to be generated. The user can enter their passport details which will be verified by the authorities. The status of their passport will be shown to the applicants throughout the process.

1.3 Overview - The passport automation system is a system which will provide a simple and complete interface for the user to apply for a passport. It is an easy to use system which will help the authorities to verify and gather the information of the applicants and maintain a proper storage space for the details. The applicants will have a secure and easy way to give their information and will be able to view the status of their passports. The money transactions to be done will be conducted in a safe and secure manner.

1.4 General description: The system will initially create an account for all the applicants and will let them apply for fresh passports or renewal of passports. The system is linked with regional passport offices of all the districts. The government office can now access all the uploaded documents and will need to manually verify their identity and details. They will later be able to update the applications' status and will notify the regional office to print the passport.The system plays an important role in managing the applicant's application status and issuing of the passports.The system uses a centralized database to store and manage the applicants' information, including personal details, biometric information, criminal background and other required information. The system will have access to the applicant's Aadhaar details, metric details and RTO details.

2 Functional Requirements:

- Secure Registration of information by the Applicants.
- Schedule the applicants an appointment for manual verification of original documents.
- Panel for Passport Application Status Display by the Administrator.
- SMS and Mail updates to the applicants by the administrator.
- Administrator can generate reports from the information and is the only authorized personnel to add the eligible application information to the database.

3 Interface Requirements:

4 Performance Requirements: The software consists of multiple pages which provide various features to the user. The basic features include:

- **Login and sign-up page**: The login page allows a registered user to login to the system with the registered email and verified password. The sign-up page helps a user to create an account.
- **Home page**: The home page is the navigation page from which a guest/ user can navigate to either apply for a fresh passport or renew/change the existing passport.. The user can log out, provide ratings and reviews/ recommendations for the system. After applying, there is a provision for checking their application status.
- **Slot Booking page**: The user has to select an appropriate slot to process their application in the regional passport office.
- **Application page:** In this page, the applicant has to enter their details with supporting documents.
- **Edit data page** :The entered data can be edited till the day before the booked slot.
- **Database** :The database is used to store details of customers and their reservations.The payment transactions, restaurant bookings and other details are stored in the database.
- **Settings page** : The settings page helps a user to provide his details. He can make changes in his account. There is a provision for logging out of the current account and even deleting the account. The user can even send feedback about the app.

- **Transaction page:** The user has to pay 50% of the charges to the RPO via net banking or UPI payment.
- **Status page:** Here the user can check whether his application is approved or rejected, and also can check the dispatch status of his passport.

5   Design Constraints:
- Programming language to be used is Java. The web server used is Apache
- Storage of the data will be done on SQL database/ Firebase storage.
- The system can run on Windows and Linux.
- Internet availability is a must.
- Minimum Processor 1 GHz, 512 MB RAM and 850 MB free HDD for 32-bit or 2 GB for 64-bit.
- Windows 10 and above, Windows server 2016, i5 core and above.
- Internet connection of 4 MBPS or higher.

6   Non-Functional Attributes:
- Security: The system should be secure and protect customer information and payment details.
- Scalability: The system should be scalable to accommodate a large number of districts.
- Reliability: The system should be reliable and available 24/7.
- Usability: The system should be user-friendly and easy to use for applicants.
- Performance: The system should perform well and respond quickly to user requests.

7   Preliminary Schedule and Budget: The project is scheduled to be completed within six months of the start date. The budget is allotted for the man-hours and the different softwares and databases being used.

- Gathering requirements : $10000
- Database system - $40000
- Authentication Requirements : $50000
- Software testing and development - $70000