State Diagram

Aim

To create state chart diagram for E-Governance Portal for Public Service using CASE tools
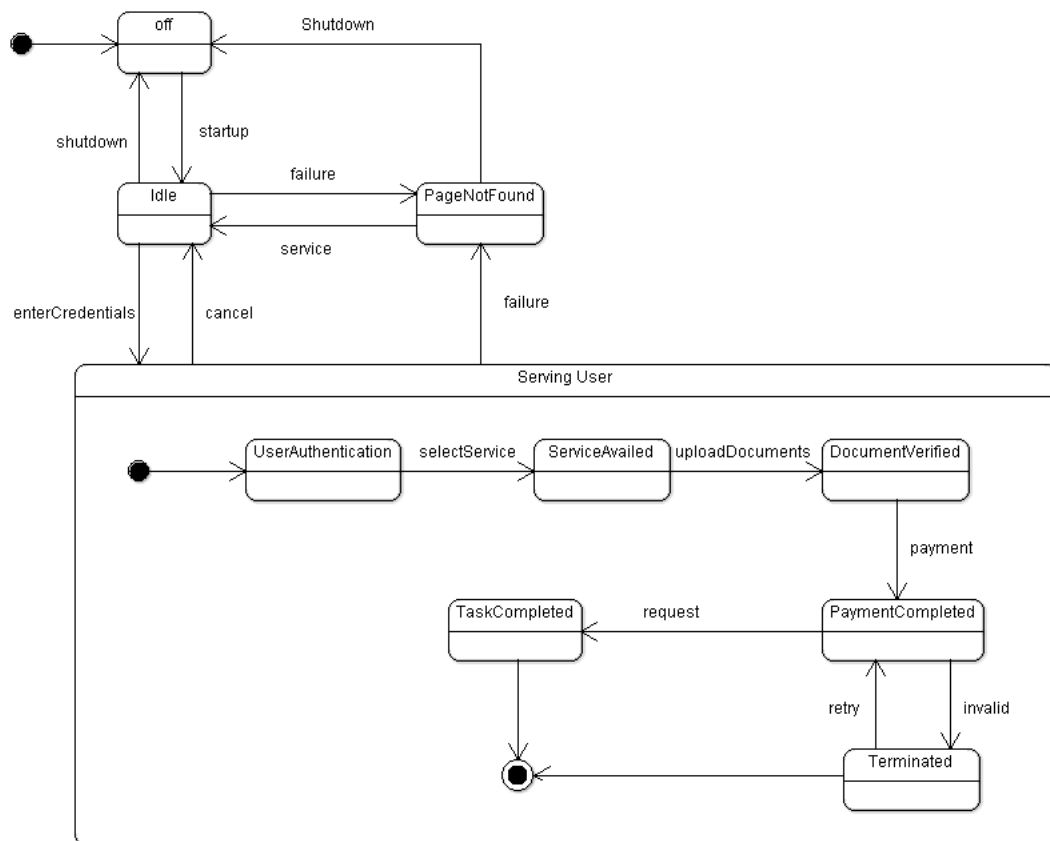

Fig: 8.1 – State Diagram for E-Governance Portal for Public Service

Description

Figure 8.1 shows the state diagram for page navigation of E-Governance Portal for Public Service. The pages include

- **Off** – This is the initial or shutdown state of the system. No activities are allowed in this state. The system can transition from this state to *Idle* through a startup event.
- **Idle** – The system enters the *Idle* state after startup, awaiting user interaction. Here, users can either begin interaction by entering their credentials or shut the system down again. If a service request fails in this state, the system transitions to the *Page Not Found* state.

- **Page Not Found** – This state indicates an error condition, such as failure in service invocation or an invalid request. The system remains in this state unless reset or redirected.
- **User Authentication** – Once a user enters valid credentials, they are authenticated. A successful authentication leads to the next phase where the user can access available services.
- **Service Availed** – After successful authentication, users can select and use the required services. This may involve actions such as uploading or downloading documents.
- **Task Completed** – Once a user successfully completes a task or activity within a service, they reach this state. From here, they may proceed to make a payment if required.
- **Payment Completed** – Indicates that the user has successfully made a payment related to the service. This state is reached after the *Task Completed* state, and is essential for processes that require monetary transactions.
- **Document Verified** – Upon successful payment, the uploaded or submitted documents are verified. A successful verification confirms that the entire process has been completed properly.
- **Terminated** – The system transitions to this state if the user fails multiple attempts (e.g., invalid payment details) or exits the process prematurely. This state serves as an endpoint for interrupted or failed sessions.

Result

Thus the state diagram for E-Governance Portal for Public Service is created using CASE tools.