



CS 255 System Design Document

System Analysis and Design (Southern New Hampshire University)



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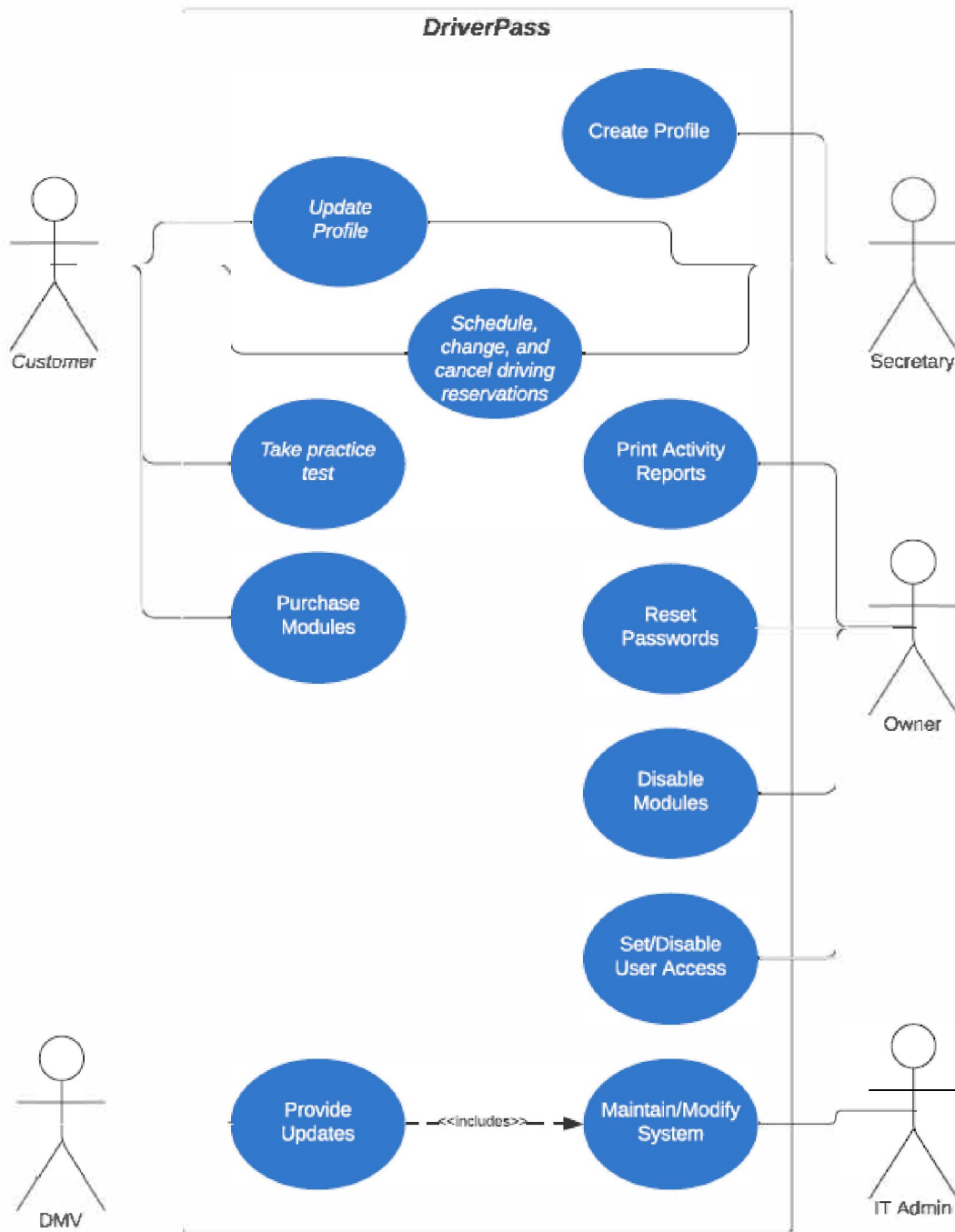
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UML Diagrams

UML Use Case Diagram

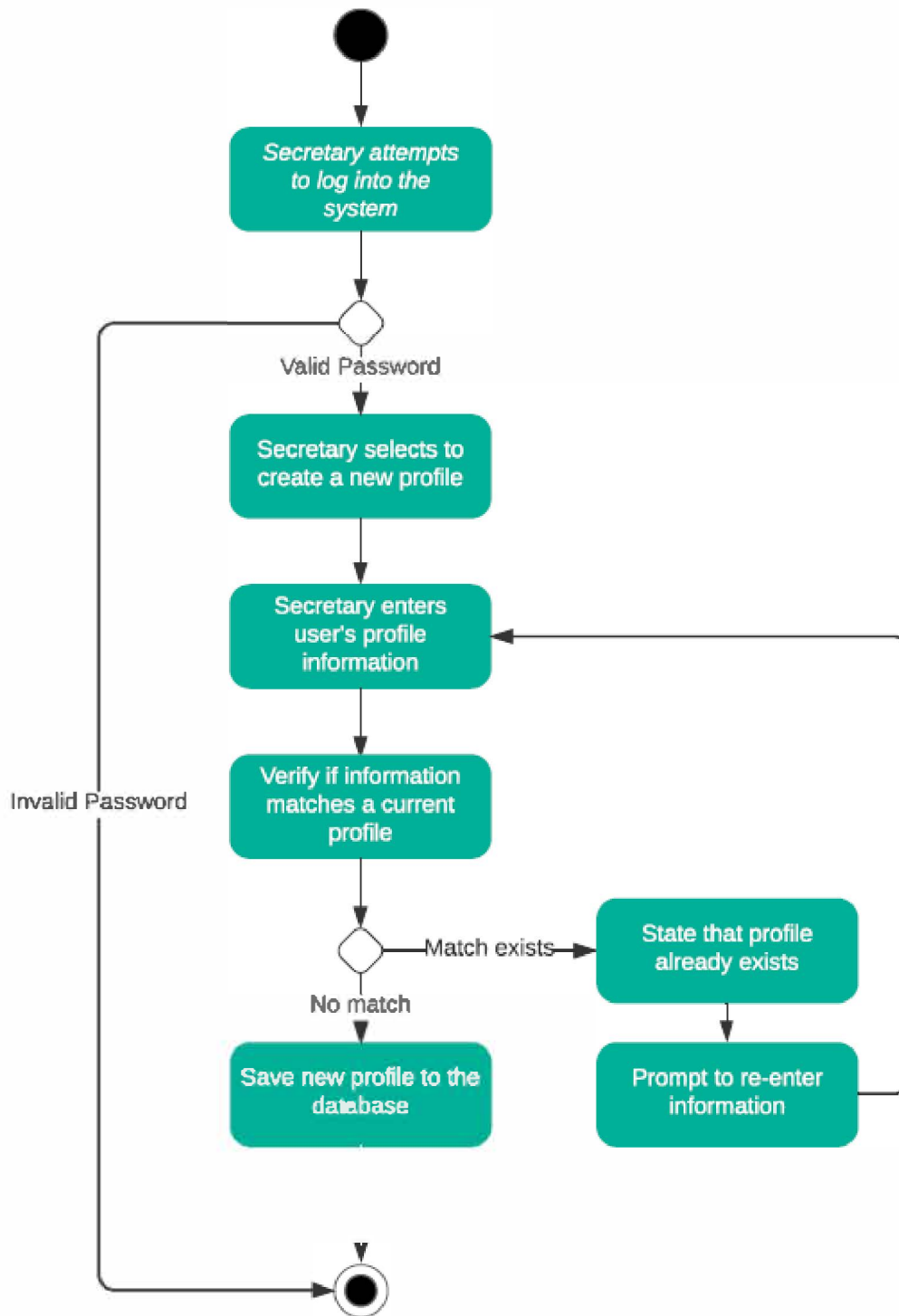
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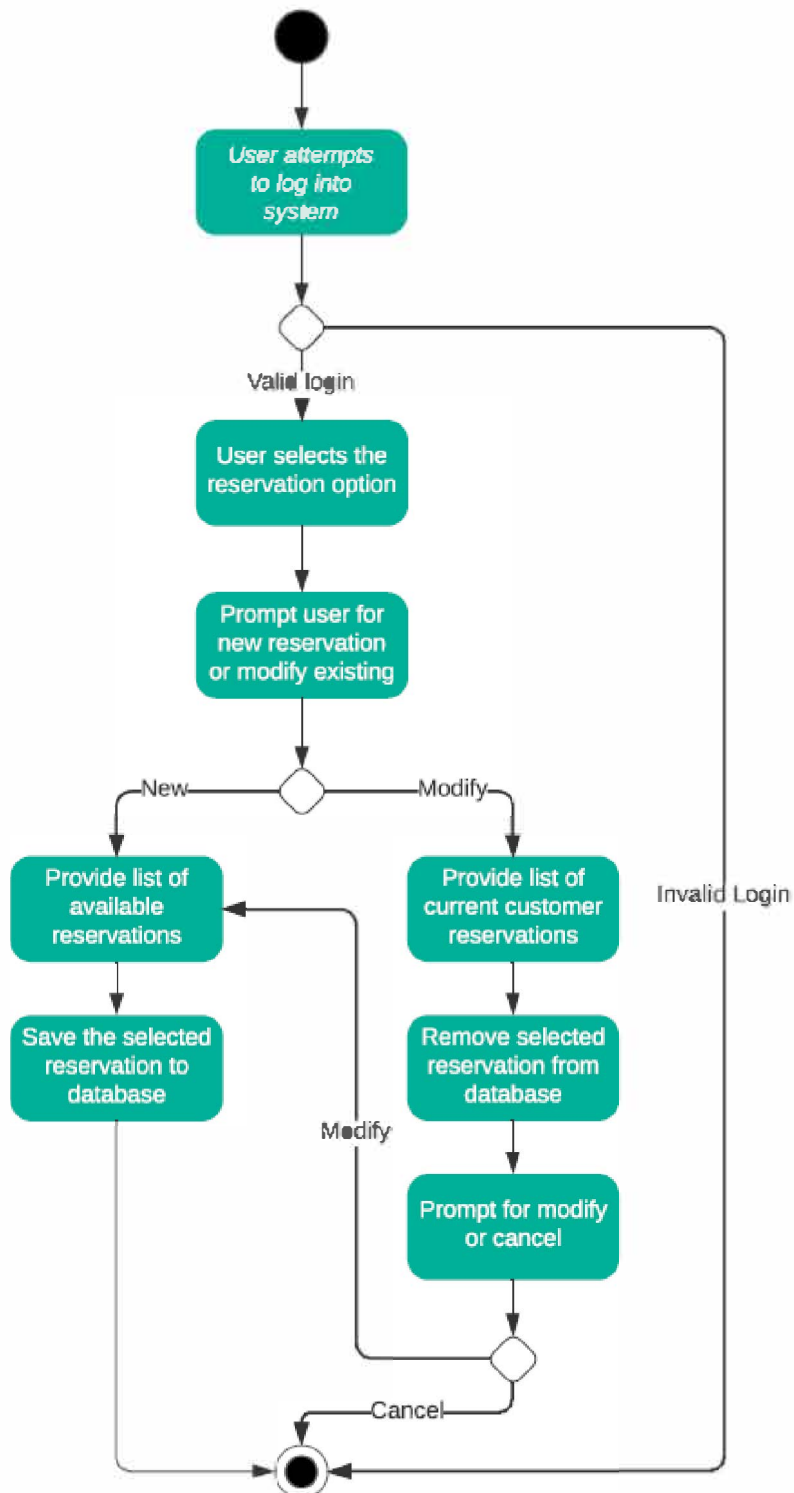
UML Use Case Diagram



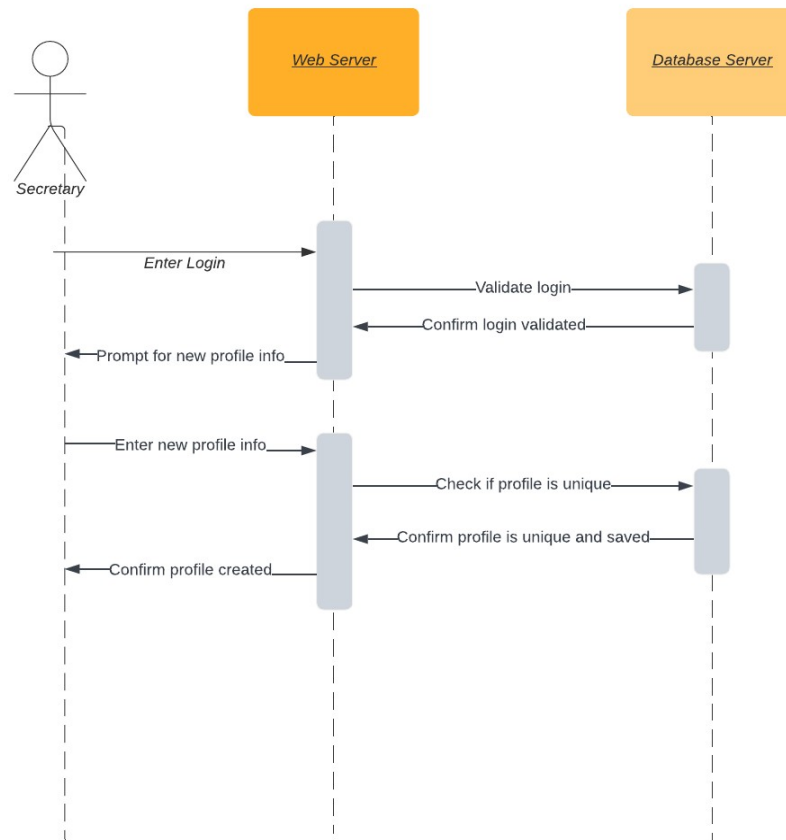
UML Activity Diagrams

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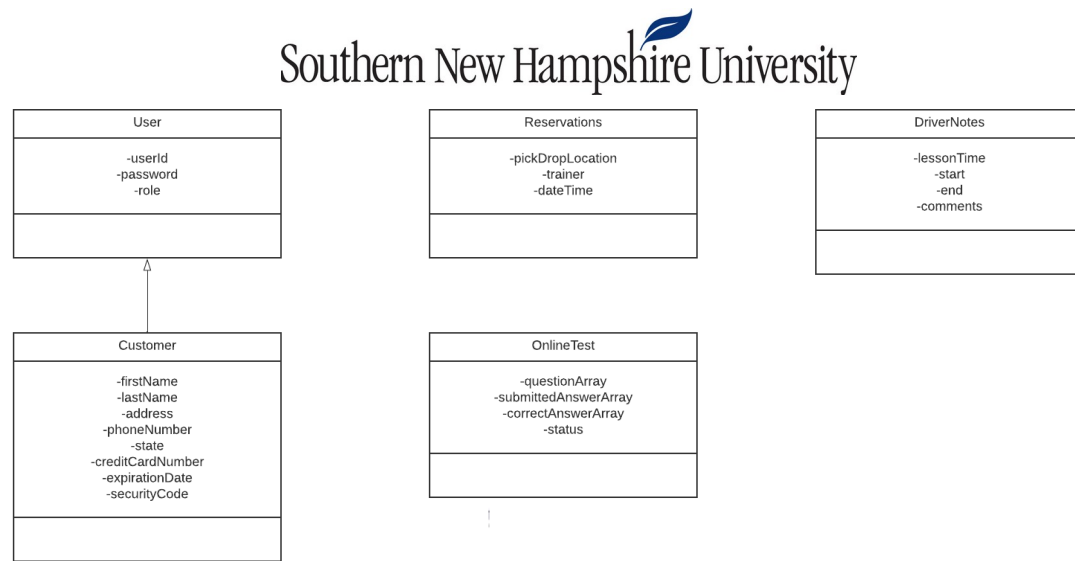




UML Sequence Diagram



UML Class Diagram



Technical Requirements

The recommended technical setup for this system includes two separate web-hosted servers provided by the same hosting provider. One server will host the publicly accessible website where users can log in and interact with the system. The second server will be dedicated to storing the system's database and will only be accessible by the web server, not directly by external users. This separation enhances security by limiting direct access to sensitive data. I recommend using the Linux operating system for both servers due to its low resource usage and lack of licensing fees. For the web server, Apache is a suitable choice as it is widely supported and free to use. For the database, MySQL is recommended for its reliability and cost-effectiveness, as it also comes with no licensing costs.