



DriverPass System Analysis

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System Requirements

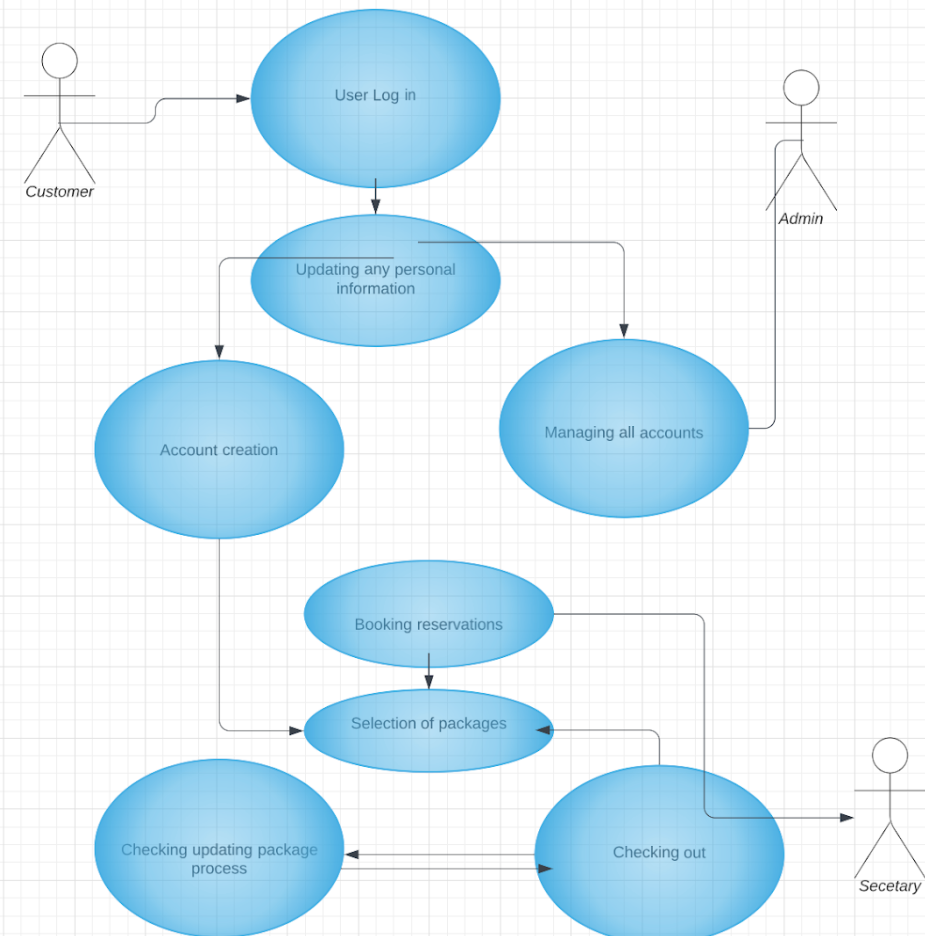
Functional Requirements

- Users can schedule Driving Lessons
- Users can log in and access practice tests

Nonfunctional Requirements

- Users can have unique username and passwords
- Cloud based instead of physical hosted servers

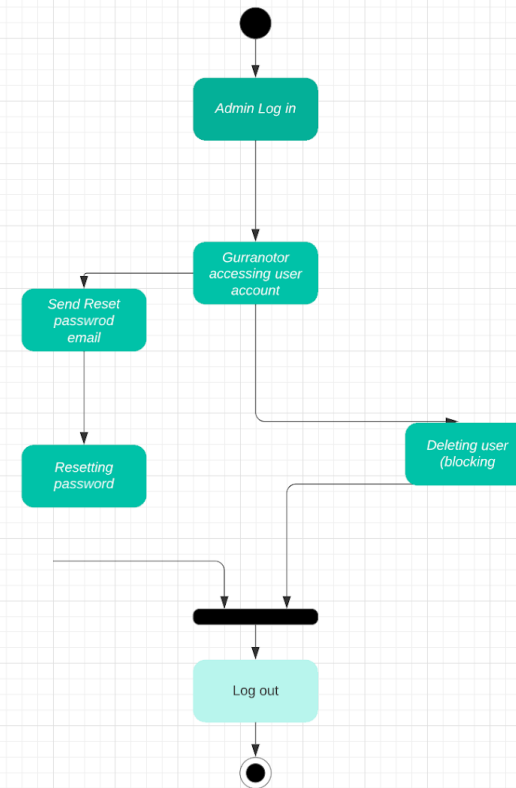
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Activity Diagram

Activity diagram (forgot password)

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Security

- Secure access may be obtained by using strong username/password authentication.
- Advanced encryption techniques are used to store encrypted user passwords.
- Controlled Password Reset: Establish a safe procedure for password resets that includes identity proofing.
- Assign roles to users for restricted data access and system functioning using role-based access.



System Limitations

- Financial Constraints: Budget restrictions may limit the breadth of system improvements by preventing the development and upkeep of sophisticated features.
- Dependence on Developers: The system is dependent on developer intervention to upgrade packages or add new features, which might cause delays in adjusting to changing user demands.
- Allowing customers to select individual drivers can lead to scheduling conflicts or an unequal distribution of appointments, which might have an impact on the reliability and availability of the system.
- many Concurrent Tests: If several users attempt to take many tests simultaneously, the system's performance may be impacted, which might result in resource conflict and system failures.