



# DriverPass System Analysis

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# System Requirements

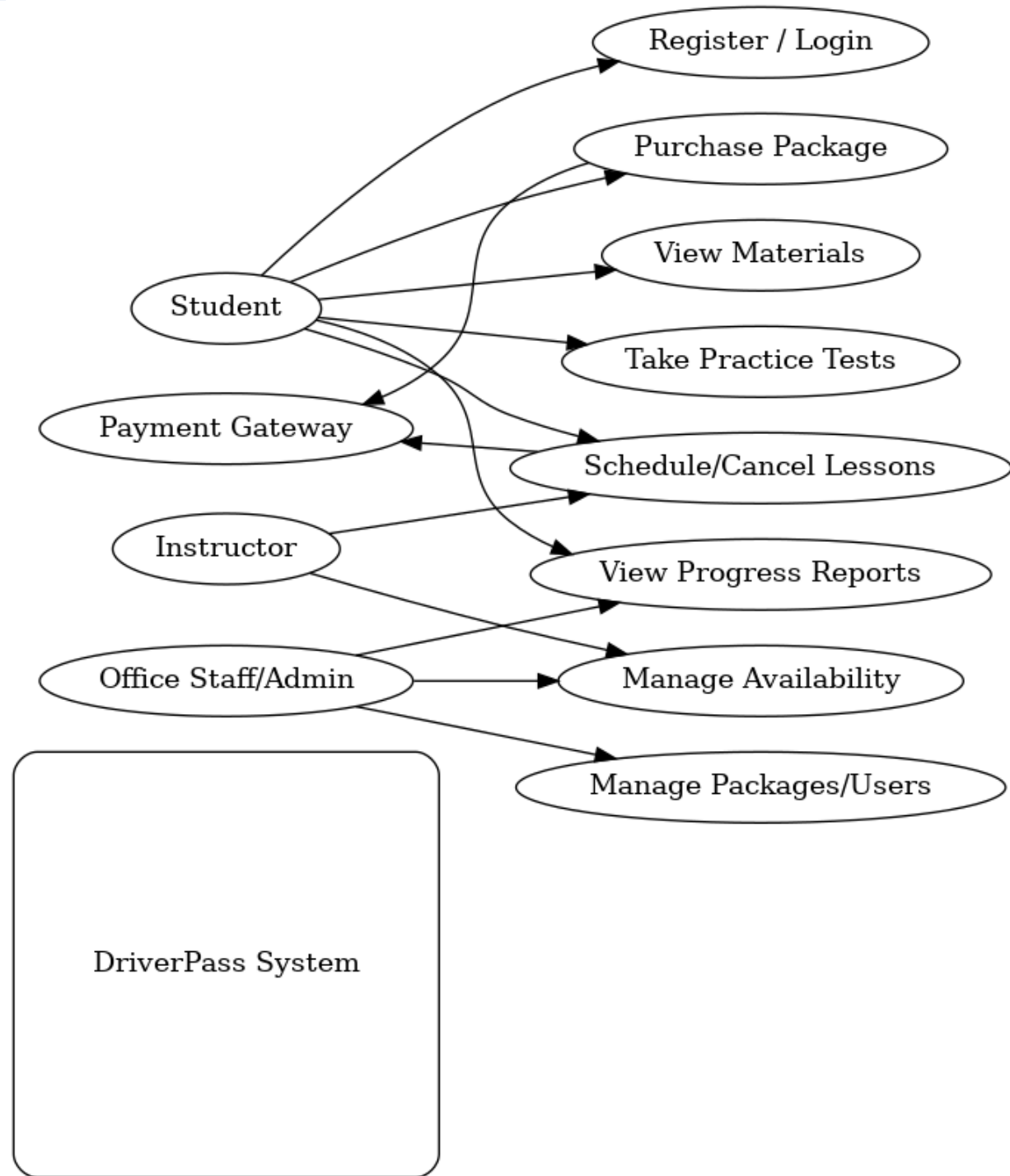
## Functional Requirements:

- Students can schedule, cancel, and reschedule in-car driving lessons.
- Students can take practice tests with immediate scoring and progress tracking.

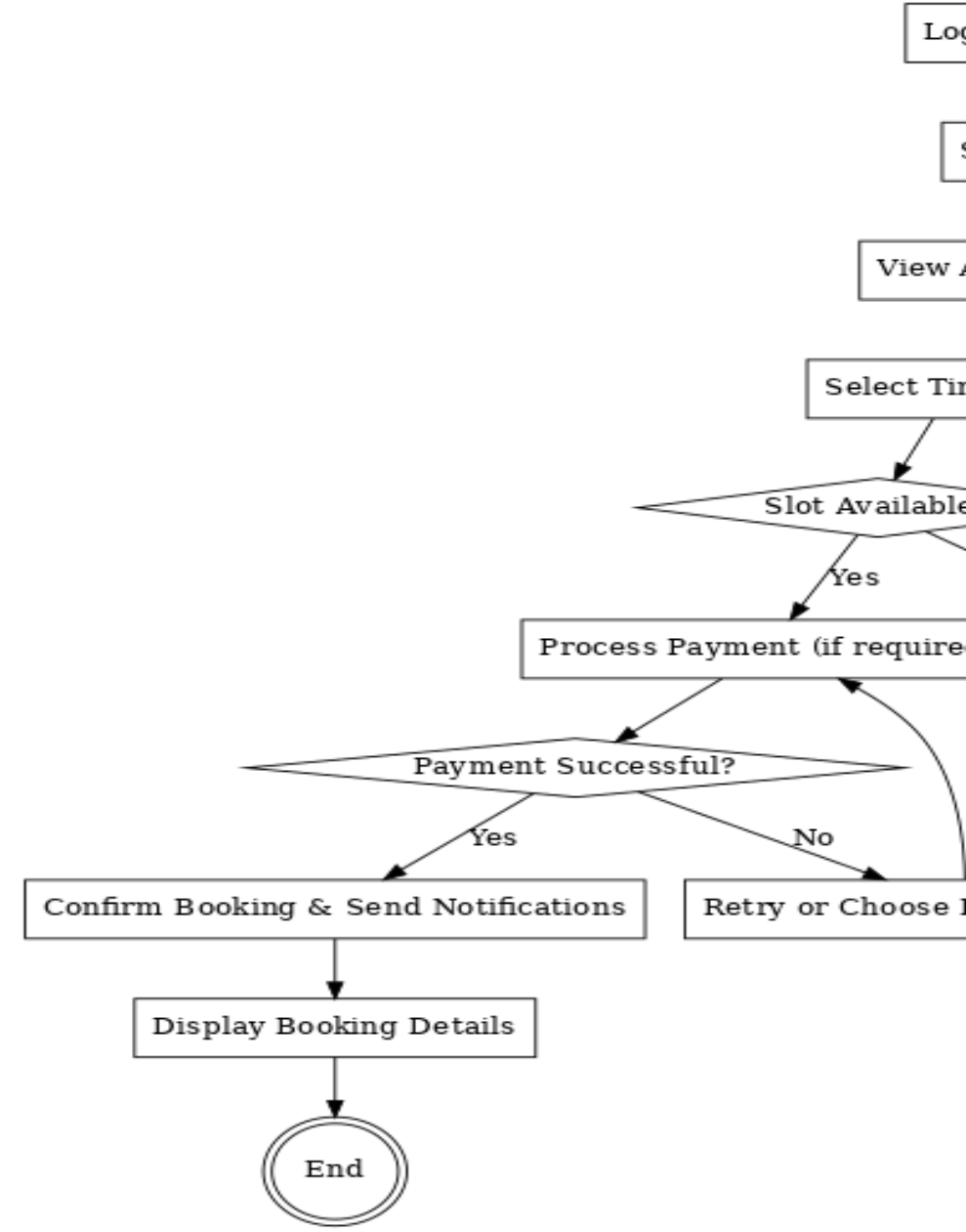
## Nonfunctional Requirements:

- Secure HTTPS communication for all data transfers.
- WCAG 2.1 AA accessibility compliance for mobile and desktop users.

# Use Case Diagram



# Activity Diagram





# Security

- HTTPS encryption for all client-server communication.
- Role-based access control (RBAC) for Students, Instructors, and Admins.
- Password hashing (bcrypt/Argon2) and email verification for accounts.
- PCI-DSS compliance for payment processing (no card data stored).



# System Limitations

- Requires internet connection for all features.
- Limited to service areas set by administrators for in-car lessons.
- No offline practice test support in the current version.
- Initial scalability target: up to 10,000 active users.