# Marcus Moore

# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

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### UML Activity Diagrams

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### UML Sequence Diagram For Payment Processing

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### UML Class Diagram



## Technical Requirements

Hardware:

* Application and Database Servers – Auto-scaled virtual machines that are clustered for high availability.

Software and Tools:

* Operating System – Linux
* Database – PostgreSQL
* Frameworks – Node.js
* Integrations – PCI-compliant payment processor and DMV database API
* Git/GitHub

Infrastructure:

* Corporate VPN – For Admin and IT access
* Cloud Provider – AWS or Azure
* Firewall – To restrict access to DB port