



DriverPass System Analysis

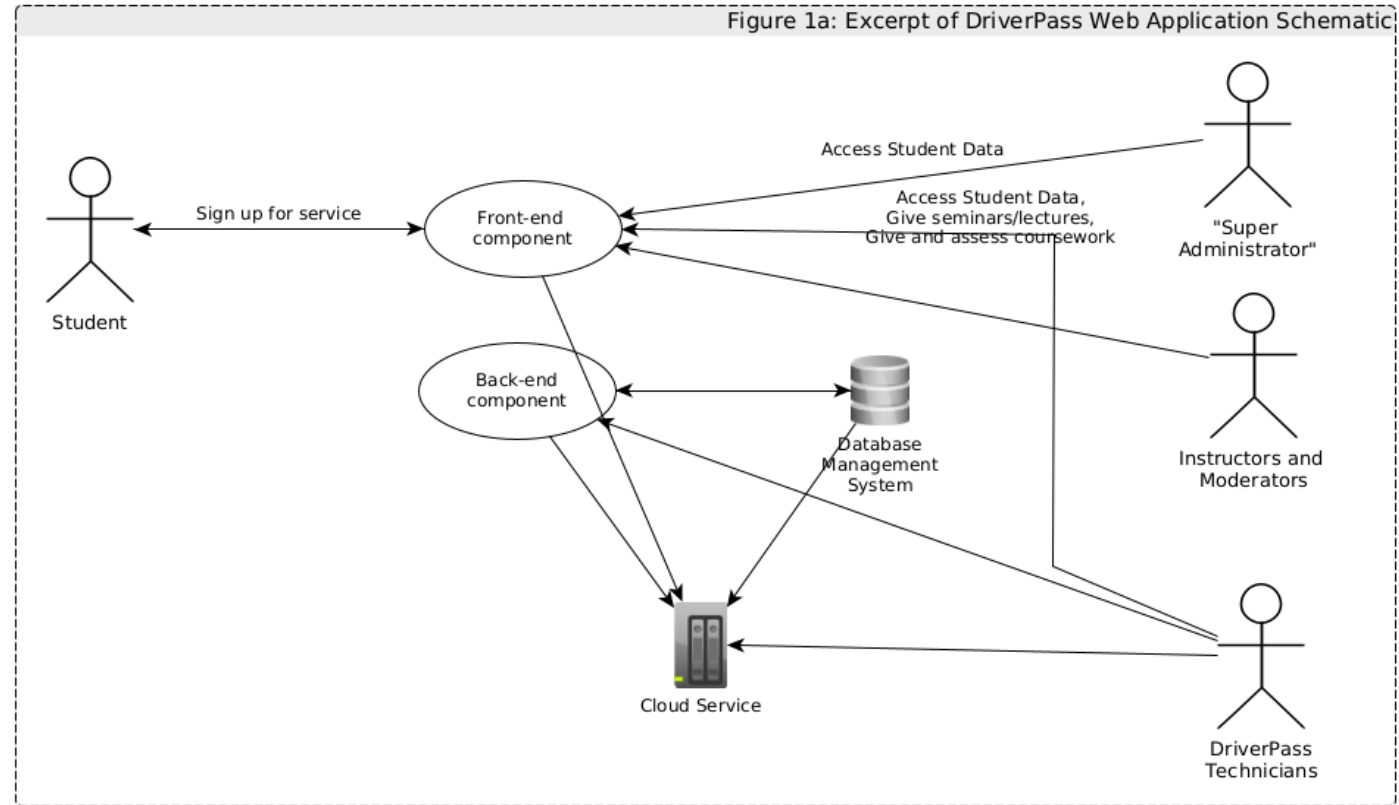
Alexander Ahmann



System Requirements

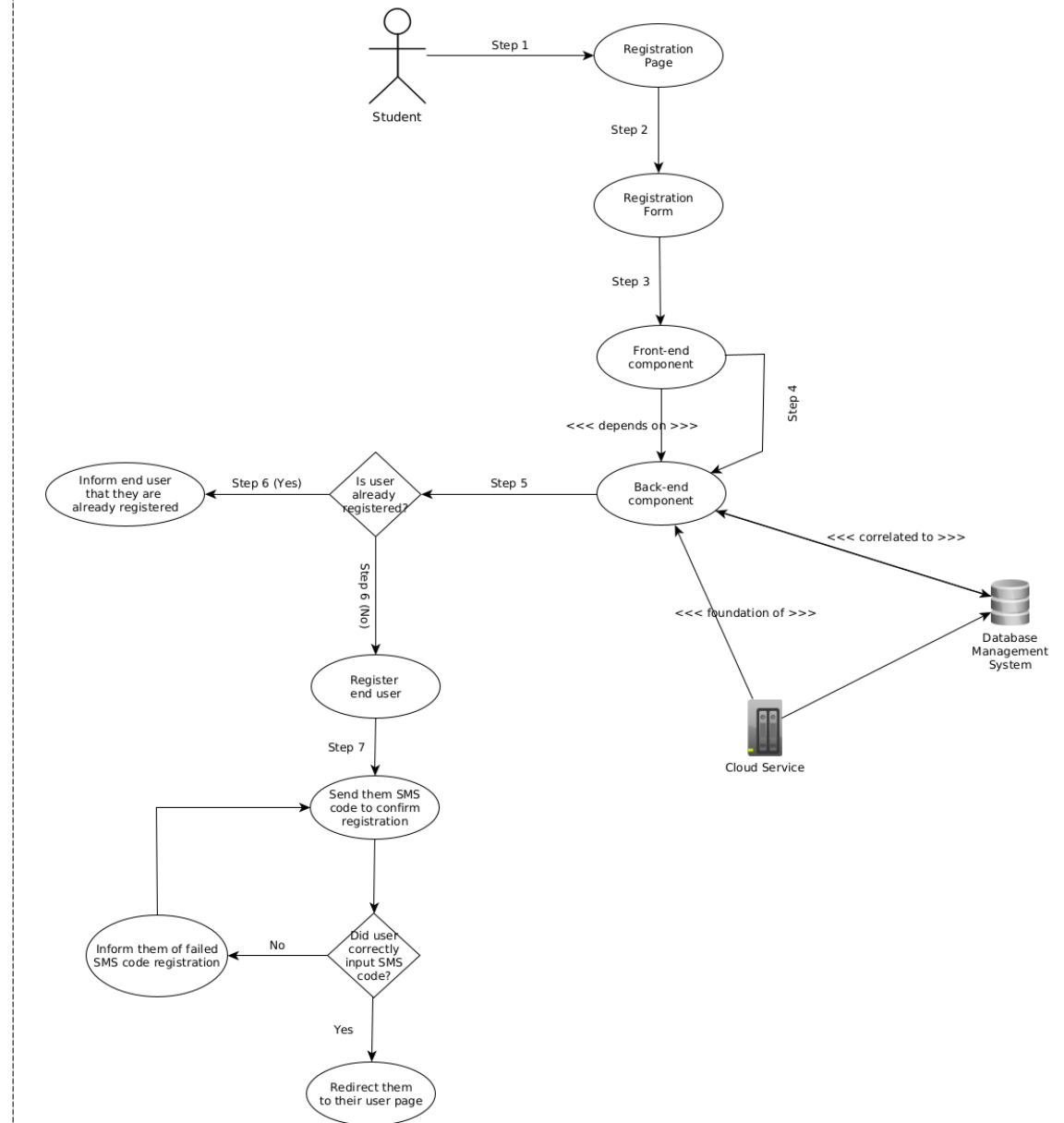
- Functional Requirements:
 - Interface to database management system
 - Method to get student data
 - Method to allow student to sign up for account
- Non-functional Requirements:
 - LAMP Stack
 - In-house system administrator team
 - Cloud computing environment
 - SSH Login
 - DevOps style CI/CD deployment

Use Case Diagram



Activity Diagram

Figure 2a: DriverPass student signup Activity Diagram





Security

- Rate limiting
- Firewall
 - Web Application Firewall
- Network Intruder Detection System
- Endpoint Detection Response
- System Hardening
- Load Balancer
- Cloud Distribution Network
 - CDNs can act as a reverse proxy



System Limitations

- System assumes that end-users know how to use a computer system.
- System may not scale up if resources are not properly allocated.