# 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

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### UML Class Diagram

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## Technical Requirements

* Hardware Requirements
  + The system will be cloud based, per the transcript, so not a lot of hardware requirements are needed.
  + A computer or mobile device with an internet connection and web browser are needed to connect to the system.
* Software Requirements
  + Since the system will be in the cloud, most of the maintenance will be software based, since the cloud company hosting the system and servers will do the physical maintenance.
  + The web application the users will interact with needs to be created in order for users to interact with the system.
* Tools
  + The admin users will have more controls over the system then the secretary and normal users, such as unlocking user accounts.
* Infrastructure
  + Since this will be a cloud based system, the scalability of the system should be seamless. As more users sign up and use the DriverPass system, the cloud infrastructure should be able to seamlessly add more space for users and courses.
  + Security is important to us, so having an ample security infrastructure is crucial for protecting our users’ data. One way we can achieve this is having all the information stored on our system encrypted, so no one can access it including bad actors that might hack into the system. Another way would be to have secure password handling and storage so no one can ever see anyone’s passwords, even the host admin users.