# 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

* One technical requirement for all actors is a computer or mobile device.
* All actors in the system need to have internet access on their computer or mobile device.
* The system should be web-based so that it is available to all users on their different devices and compatible with Windows, Mac and Mobile browsers.
* In terms of infrastructure, the system should be reliable and available to users when they need it. The company will need to have dependable servers and routers, along with the proper maintenance personnel to troubleshoot any system or server issues.
* The users of the system should always ensure that the data is current. Drivers, for instance, should be required to update test progress within 48-72 hours of test completion to ensure timely results and accurate, up-to-date data.
* The system should have security measures in place, like encryption and multi-factor authentication, to protect customer’s personal information (especially payment information).
* Lastly, the system should connect directly to the DMV to receive regulatory updates as they are released.