# CS 255 System Design Document Template

## UML Diagrams

### UML Use Case Diagram

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[*https://lucid.app/lucidchart/3fb928fe-c2e2-45db-b050-30978c33bd57/edit?viewport\_loc=-629%2C-539%2C4039%2C2022%2C.Q4MUjXso07N&invitationId=inv\_9c5d135e-763d-4f8f-92e1-5862bbfecd37*](https://lucid.app/lucidchart/3fb928fe-c2e2-45db-b050-30978c33bd57/edit?viewport_loc=-629%2C-539%2C4039%2C2022%2C.Q4MUjXso07N&invitationId=inv_9c5d135e-763d-4f8f-92e1-5862bbfecd37)

A diagram of a company

Description automatically generated*]*

### UML Activity Diagrams

*[Admin resets user password, User logs in to take test*

A diagram of a computer program

Description automatically generatedA diagram of a software process

Description automatically generated with medium confidence

*https://lucid.app/lucidchart/1843d61c-bbfc-414c-b093-275da1bc66de/edit?viewport\_loc=910%2C-82%2C3040%2C1518%2C0\_0&invitationId=inv\_33b3c4db-6c18-4a1d-af7a-e0018dc2acf8*

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### UML Sequence Diagram

*[Student logs in to take test.*

A diagram of a diagram

Description automatically generated

[*https://lucid.app/lucidchart/ab6f0dca-43ea-41bc-84a8-e7243e841413/edit?viewport\_loc=-115%2C1333%2C2219%2C1108%2C0\_0&invitationId=inv\_86663387-4c40-460c-b347-c9221a307acf*](https://lucid.app/lucidchart/ab6f0dca-43ea-41bc-84a8-e7243e841413/edit?viewport_loc=-115%2C1333%2C2219%2C1108%2C0_0&invitationId=inv_86663387-4c40-460c-b347-c9221a307acf) *]*

### UML Class Diagram

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[*https://lucid.app/lucidchart/91845095-250c-4111-993f-edef1dd2fd1b/edit?viewport\_loc=-1573%2C-269%2C4039%2C2017%2CHWEp-vi-RSFO&invitationId=inv\_f74420f1-2d4a-4b5b-a201-b46898476065*](https://lucid.app/lucidchart/91845095-250c-4111-993f-edef1dd2fd1b/edit?viewport_loc=-1573%2C-269%2C4039%2C2017%2CHWEp-vi-RSFO&invitationId=inv_f74420f1-2d4a-4b5b-a201-b46898476065)

A diagram of a computer

Description automatically generated*]*

## Technical Requirements

*[Based on the diagrams you have created, describe the technical requirements of your system. These requirements should address the required hardware, software, tools, and infrastructure necessary for your system design.*

*Hardware*

* *Server*
* *Device with internet connection capabilities*
* *Communication module*

*Software*

* *Antivirus protection*
* *Firewalls*
* *Web server*
* *Resource locators]*