

Design Documentation

(Due: 10:00 PM, 11/06/2020)

Plan Driven Design Documentation

Components	Description	Points
Part 1: Introduction, Purpose, goal of the Design document	<ul style="list-style-type: none">• Introduction to your project/product/system• Purpose/Goal• Design Constraints	5
Design Glossary	Define all important and design-based terms	5
Part 2: Use Case Model (system level)	<ul style="list-style-type: none">• Revised System level use case diagram (all use cases in one diagram)• All the actors should be present in use case diagram	5
Part 3: Context/ High Architecture diagram	<ul style="list-style-type: none">• Identify different component/sub system in the project• Use simple box and line graphs to show the interactions between those components	<u>10</u>
Part 4: Class Models	Complete UML Diagram <ul style="list-style-type: none">▪ Identify attributes and methods associated to a class [all classes]▪ Identify different relationship between classes and show them in UML	<u>30</u>
Part 5: Sequence Models	Describe project scenarios/use cases using sequence diagrams (one sequence diagram for each use case)	<u>30</u>
Part 6: State Models	<ul style="list-style-type: none">• Identify different states and describe them.• Complete State diagram which includes all states in your project and its transitions(one diagram for the whole project)	<u>10</u>
References		<u>5</u>

Agile Design Documentation

Components	Description	Points
Part 1: Introduction, Purpose, goal of the Design document	<ul style="list-style-type: none">• Introduction to your project/product/system• Purpose/Goal• Design Constraints	5
Design Glossary	Define all important and design-based terms	5
Part 2: Use Case Model (system level)	<ul style="list-style-type: none">• Revised System level use case diagram (all use cases in one diagram)• All the actors should be present in use case diagram	10
Part 4: Prototyping	<ul style="list-style-type: none">• Updated prototype for whole system (copy and paste all screens)	<u>15</u>
Part 5: Sprint Cycle 1	<ul style="list-style-type: none">• Identify use case(story1)• Design class models & sequence• Implement• Unit test	<u>30</u>
Part 6: Sprint Cycle 2	<ul style="list-style-type: none">• Identify use case(story2)• Design class models & sequence• Implement• Unit test	<u>30</u>
References		<u>5</u>

Submission: Brightspace (online)

Assignment/Homework Type: Group (one copy from each team)

Submission Type: PDF document

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Topics: Design & UML Models