

Q1:

Software Requirements Specification

for

<Project>[Student must replace this line by the name of project in the exam paper] (0.2 point)

Version 1.0 approved

Prepared by

<author>[Student must replace <author> by your full name and studentID] (0.1 point)

<organization>[Student must replace this line by the name of the FU Campus you take the exam] (0.1 point)

<date created> [Student must replace this line by the date you take the exam] (0.1 point)

Q2:

<Student must replace this line, answer Q2 by drawing 1 context diagram that reflect this exam paper and copy and then paste the image of that context diagram here

Notes:

1. Draw the correct syntax to describe the context diagram (0.4 point)
2. Draw external entities (0.6 point)
3. Draw the data flows described in this exam paper (1.5 points)

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Q3:

< Student must replace this line

Notes:

1. Draw the correct syntax to describe the use case diagram (0.4 point)
2. Draw actors and brief descriptions (0.9 point)
3. Draw use cases and brief descriptions (2.7 points)

>

<Student must replace this line, answer Q3 by drawing 1 use case diagram that reflect this exam paper and copy and then paste the image of that use case diagram here>

< Student must replace this line, **briefly describe** the actors of the diagram by fill the content to below table>

|  |  |  |
| --- | --- | --- |
| **#** | **Actor** | **Description** |
| 01 |  |  |
| 02 |  |  |
| 03 |  |  |

< Student must replace this line, **briefly describe** the use cases of the diagram by fill the content to below table>

|  |  |  |  |
| --- | --- | --- | --- |
| **#** | **Use Case** | **Actors** | **Description** |
| UC-01 |  |  |  |
| UC-02 |  |  |  |
| UC-03 |  |  |  |

Q4:

< Student must replace this line, answer of Q4 by fill the content to below table that reflect this exam paper

Notes:

1. Describe 4 business rules (1.0 point)
2. For each incorrect business rule, 0.25 points will be deducted

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|  |  |  |
| --- | --- | --- |
| ID | Rule Definition | Use cases |
| BR-01 |  | UC-01, UC-02 |
| BR-02 |  |  |
| BR-03 |  |  |

**Q5:**

< Student must replace this line

Notes:

1. Draw the correct syntax to describe the state transition diagram (0.3 point)
2. Draw states and brief descriptions (0.9 point)
3. Draw transitions (0.8 points)

>

<Student must replace this line, answer Q5 by drawing 1 state transition diagram that reflect this exam paper and copy and then paste the image of that state transition diagram here >

< Student must replace this line, **briefly describe** the states of the diagram by fill the content to below table>

|  |  |  |
| --- | --- | --- |
| **#** | **State** | **Description** |
| 01 | Accepted | The Requester submitted a completed chemical request and the system accepted it for processing. |
| 02 |  |  |
| 03 |  |  |