Name:

Student access ID:

Project:

Date:

Group Number:

***Everything in italic or is highlighted should be changed as appropriate by you and should not be italic when submitted****.*

*(Title of the change request*)

1. **Change Request and concepts*:***

*Extract/list significant concepts here.*

1. **Concept Location:**

Explain the methodology that you have used to **locate each significant concept (use either dependency search or grep search)** that was part of your change request.

*Using Table X for dependency search, list all the files in the order that you have visited them (1st column). Explain how you have found each file (2nd column). You can simply read the source code or any other software tools that you want to use.*

*In the 3rd column, mention if the class is related to the concept. Use one of the following terms:*

* *Use* ***“Unchanged”*** *if the class has no relation to the concept but you have visited it.*
* *Use* ***“Propagating”*** *if you read the source code of the class and it guided you to the location of the concept, but you will not change it.*
* *Use* ***“Located”*** *if the class will be changed.*

*In the 4th column, write what you have learned about the class/file.*

*Draw a* ***partial class dependency graph (use starUML)****. It must contain all the classes that you visited and all the dependencies between these classes that you understood. Mark the classes that were* ***“Located”*** *with red text,* ***“Propagating”*** *with orange text and* ***“Unchanged”*** *with black text.*

**Table *X*. Dependency Search: *concept1, concept2, etc***

|  |  |  |  |
| --- | --- | --- | --- |
| **Class/file name** | **Tool used** | **Mark** | **Comments** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

*Using Table Y for grep search, list all the queries (2nd column) you have tried for each concept (1st column). The number of matching files by each query should be recorded in the 3rd column. List the “located” classes/files in the fourth column and the tool used for this query in the fifth column.*

*In the last column, write what you have learned about the “located” classes/files.*

**Table *Y*. Grep Search**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Concept** | **Query** | **#Results** | **Target class/file** | **Tool used** | **Comments** |
| *Concept1* | *Query1* |  |  |  |  |
| *Concept2* | *Query2.1* |  |  |  |  |
|  | *Query2.2* |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |