**Subject : Software requirement specification**



**Assumptions:**

**\* when the Driver edits code, we assume that the Observer can see the changes in real-time**

**through the View Desktop use case, thus there is no arrow pointing back to the**

**Observer for the Edit Code use case. A similar assumption is made for the PointToObjects**

**use case, so no arrow points back to the Driver.**

**\* we assume that both the Driver and Observer can initiate the view Desktop, Chat Video,**

**Swap Role, and Record Rationale use cases.**

**ANS B:**

**\* Ease of use - the front-end interface must be simple and easy to use.**

**\* Real-time performance - the Observer should be able to see the changes made by the**

**Driver immediately without delay; the video chat should be smooth without delay also.**

**\* Availability - the system should be available to both programmers all the time.**

**\* Portability - the programmers should be able to use the system regardless of what**

**computer and operating system used by the programmers.**

**\* Security - the backup code should be kept securely and be protected from unauthorized**

**access.**

**\* Cost - users should pay no more than $5 per month to use RPP.**

**\* Reliability - the system should be reliable, i.e., it should not crash when the**

**internet speed is slow and when the internet connection is suddenly down the user should**

**be able to resume the session at a later time.**

 **ANS C;**

**Note that since you need to supply only 4 NFRs in part b), you therefore only need to**

**specify your ordering of the corresponding design constraints.**

**In your answer, you should explain your ordering, e.g., if you put "ease of use" in**

**position 1 and "real-time performance" in position 2, then justify why you think "ease**

**of use" is more important than "real-time performance". You should also discuss**

**briefly whether there are conflicting design constraints as well and, based on your**

**ordering, which design constraint should be emphasized on.**