ASSIGNMENT 1

Web Team
Group members:
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Actors: Users
Use Case requirements:
   1.Session recognition and maintenance
   2.Socket connection establishment
   3.Data transaction

//Since we were not able to get access to Rational Rose software, we are including our use cases and use case diagram in this document as below.
We used an online tool (https://www.genmymodel.com/use-case-diagram-online**) to draw a use case diagram**

Web Use Cases

Use Case 1
Use Case Name: Access web pages in a continuous flow
Short Description: User wants to access web pages and wants the system to maintain their data transaction temporarily
Actors: Users
Trigger: User attempts to open a web-page
Pre-condition: Web-server is listening
Post-condition: Stable connection with the session or
when session time is out, session id and user info(IP address) are removed from server memory
Results: User is able to implement safe data transaction session or booted out if session time is out

Use case 2

Use Case Name: Access web pages through the Web
Short Description: User wants to access web pages to view, modify exam schedules
Actors: Users
Trigger: User attempts to open a web-page
Pre-condition: A Web-browser is open and ready to use with a blank page
Post-condition: Server is waiting for the next request
Results: User successfully viewed or modified exam schedules

Use case 3

Use Case Name: CRUD exam schedules
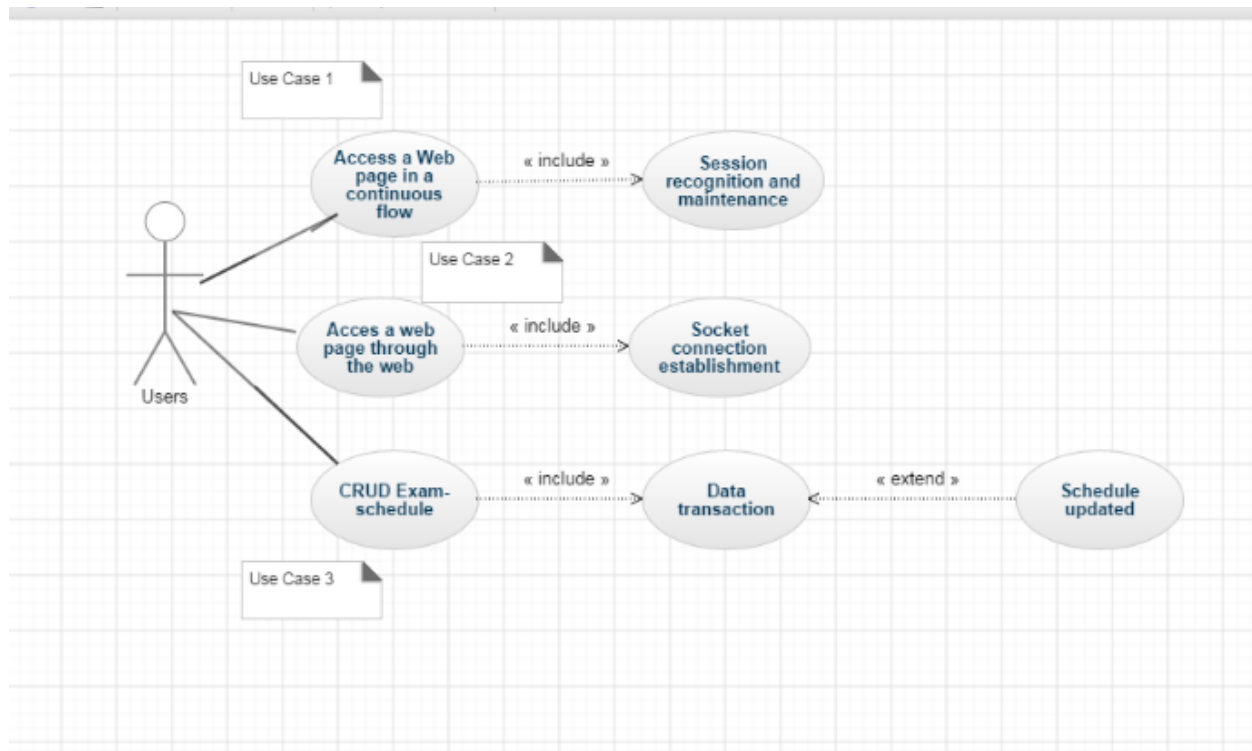Short Description: User create, read, update, and delete exam schedules
Actors: Users
Trigger: User intends to CRUD exam schedules
Pre-condition: User On-line
Post-condition: Server is waiting for the next request
Results: User successfully CRUD exam schedules

Use case diagram

Use case subsystem
- Classes
  1. Socket class
  2. HTTPrequest, HTTPresponse classes
  3. Servlet class

Team member contribution

//Every member equally participated in building use cases

Seonmi Kim
- Implemented research regarding Java socket connection and Servlet
- Assisted in drawing use case diagram

Krupal Kapadia
- Discussed the components needed in the use case diagram
- Created and beautified the use case diagram

Georgii Didok
- Implemented research regarding sessions, HTTP requests, subsystems