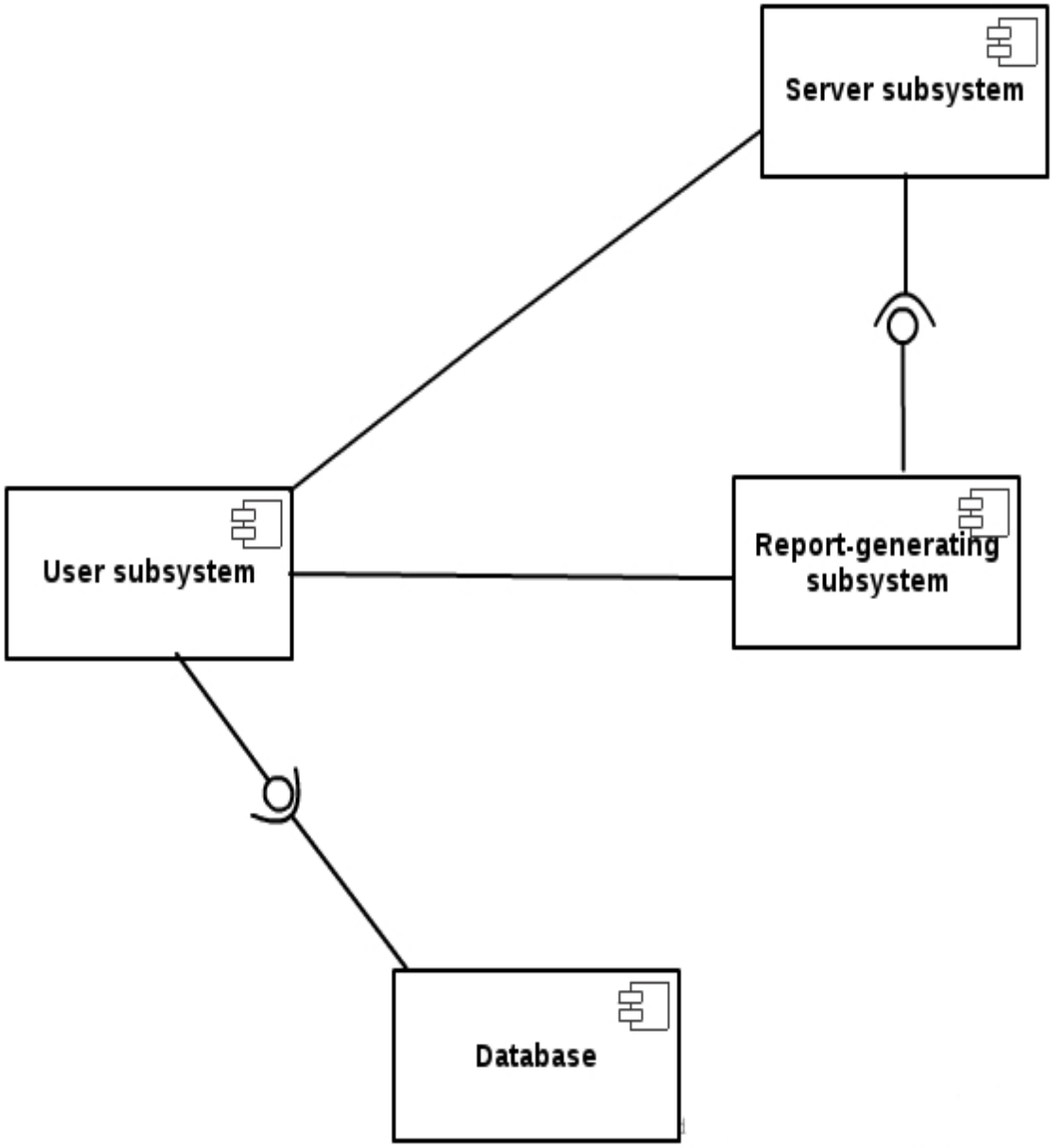
Product Design

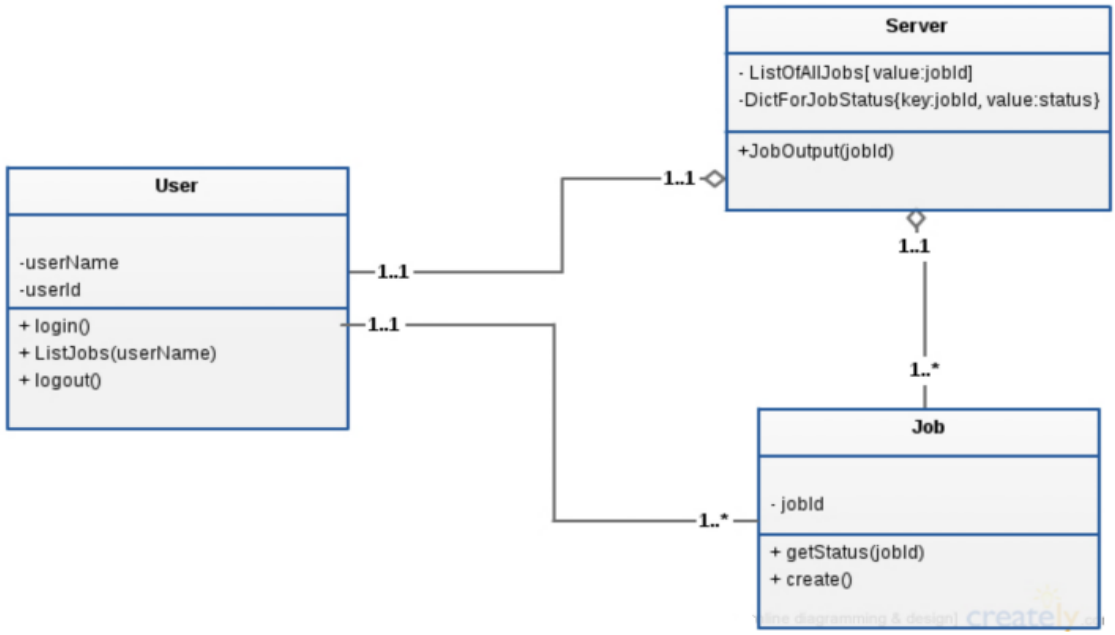
Performance **T**esting in the **C**loud, Team **30** (**K**avya Nerella ,**G** Pooja Shamili ,**S**hubham Ghiya, **V**ishal Gupta)

Architectural Model



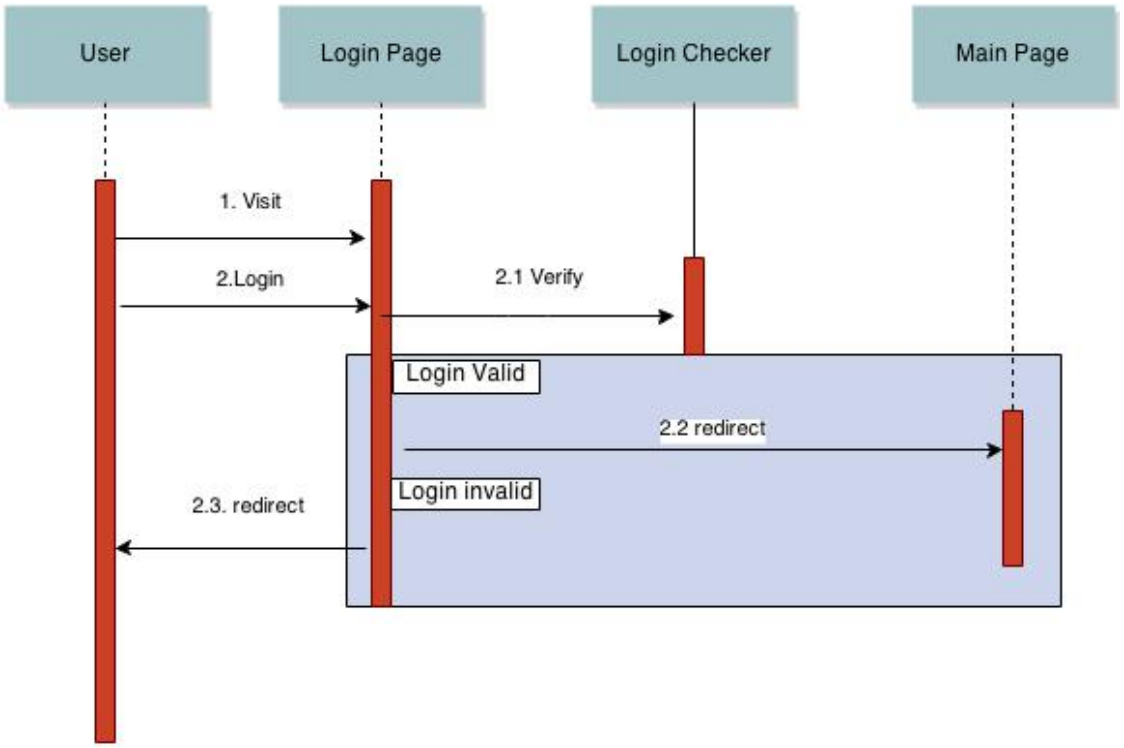
User subsystem	**Component State:** This component holds the account information of all the users logged in into the system. **Component Behaviour:** ● This subsystem supports the databse system by appending a user in database.
Server subsystem	**Component State**: ● This component holds the current status of all the jobs as well as the list of jobs created by the user. **Component Behaviour:** ● This subsystem supports the action of retrieving information related to the status of a job. ● Also, it sends the list of all the jobs to the user subsystem.
Report-generating subsystem	**Component State:** ● This component holds the information regarding the output of completed jobs. **Component Behaviour:** ● This subsystem supports the action of generating reports of the completed jobs like number of requests, average response time, etc .
Database subsystem	**Component State:** ● This component holds the list of all the users logged into the system and the list of all the jobs. **Component Behaviour:** ● This subsystem might support the queing up of new jobs, supporting the server subsystem by providing the list of all the jobs.

Class Diagram(s)

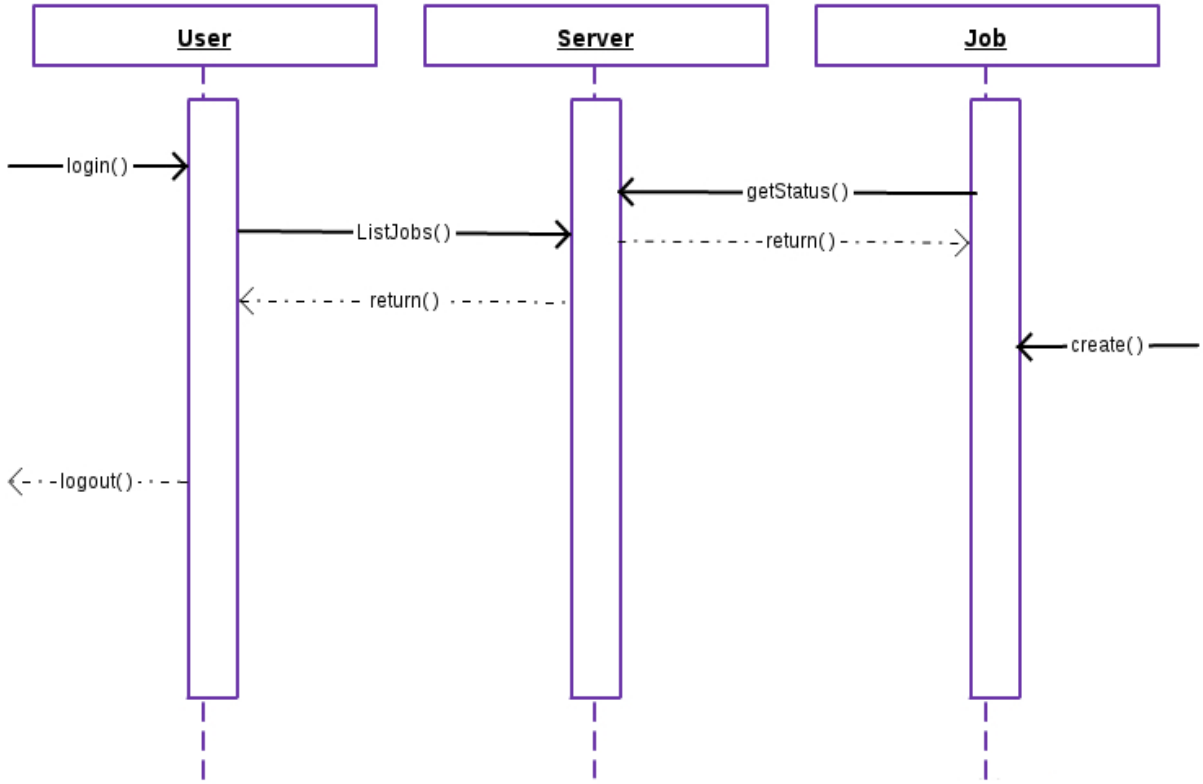
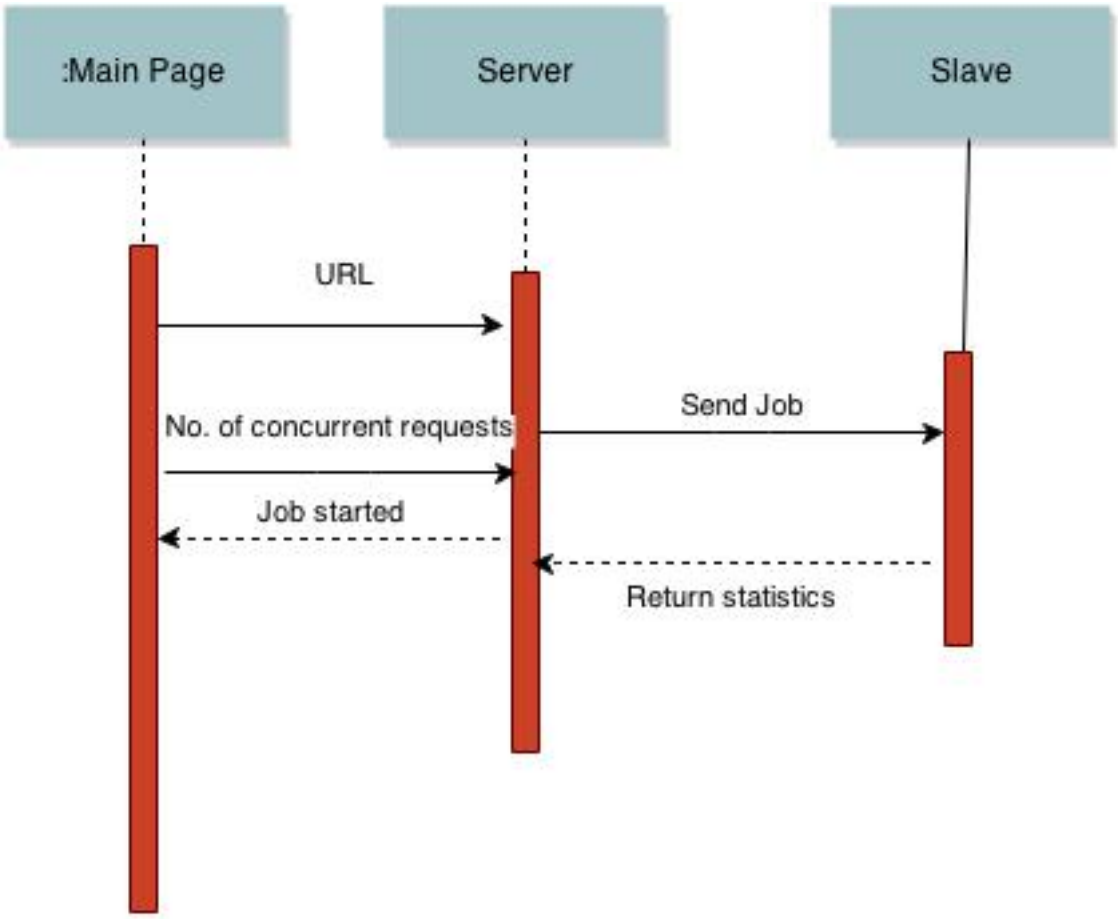


Sequence Diagram(s)

1. Login



2. List Jobs


User
Server
Job
login()
ListJobs()
return()
getStatus()
return()
create()
logout()

3. Create a Job