

Quiz Question of System Analysis and Design Lab

Time: 20 Minutes      Marks: 20

**Q. Read the following description concerning a program design, and then answer the questions (In Google Form).**

Company X is a software development company. It accepts a project for developing an Online Job Matching System (OJMS). OJMS is a social Web site that offers services to three types of person: users, applicants and employers.

Users can search jobs, but can not apply for jobs. Applicants can search and apply for jobs, and update their profiles. Employers can post jobs. If a user wants to apply for a job, he/she must be registered in this system. After registration, he/she becomes an applicant. When an applicant wants to search and apply for jobs, or update the profile, he/she must login to this system.

Figure 1 shows the use case diagram of OJMS, focused on the user/applicant portion.

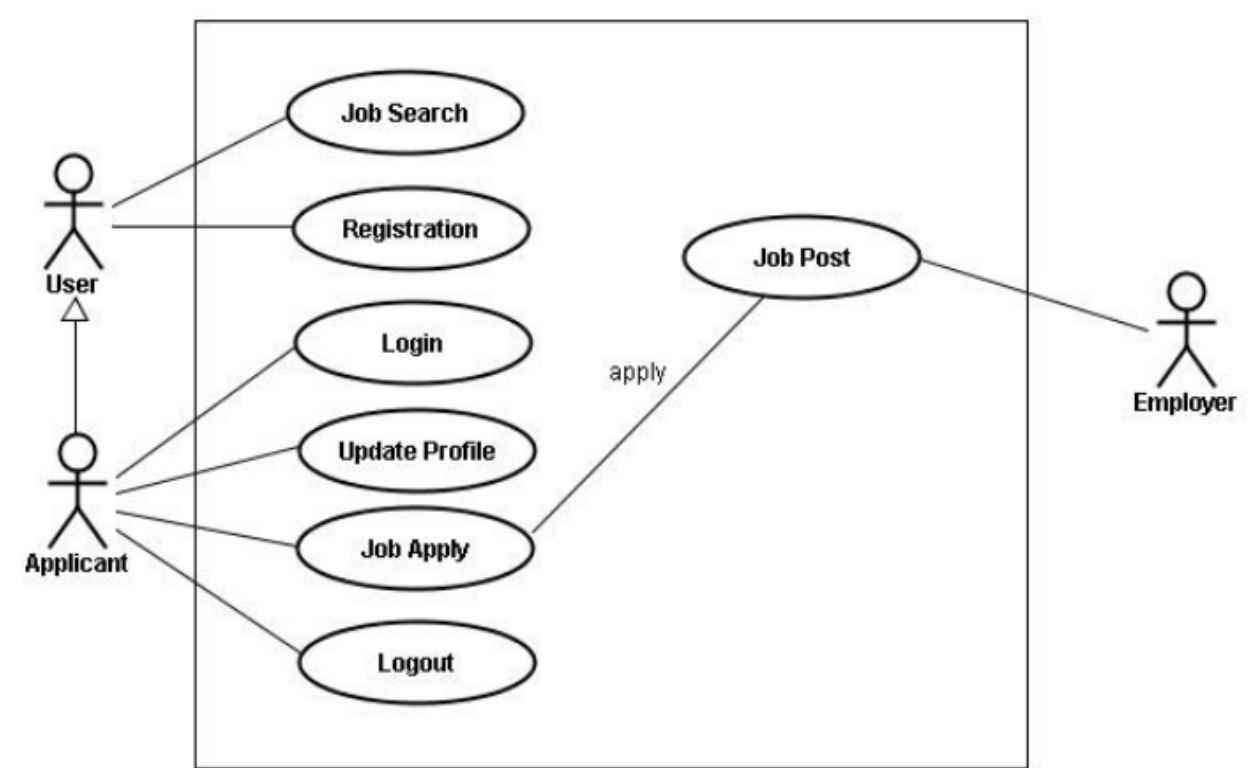


Figure 1. Use case diagram of OJMS

The following list shows the description of each use case shown in Figure 1.

Use case	Description
Job Search:	A user or an applicant searches jobs and views the details of the jobs. An applicant, if he/she wishes, can go directly to the Job Apply page.
Registration:	A user registers himself/herself on this system by entering information, such as user name, password, email, and phone number. After the user’s successful completion of the registration, the system will send an email to the user, and he/she becomes an applicant.
Login:	An applicant logs in to the system. When he/she has logged in, the menu page is displayed.
Update Profile:	An applicant changes his/her registered information.
Job Apply:	An applicant applies for a selected job. When the applicant has completed the job application operation, the system sends an email to the applicant and goes to the Logout page to exit. When the applicant cancels the job application operation, go to the Login page to display menu.
Job Post:	An employer posts jobs.
Logout:	An applicant logs out from the system.

Figure2 shows the high-level OJMS navigation map for users and applicants.

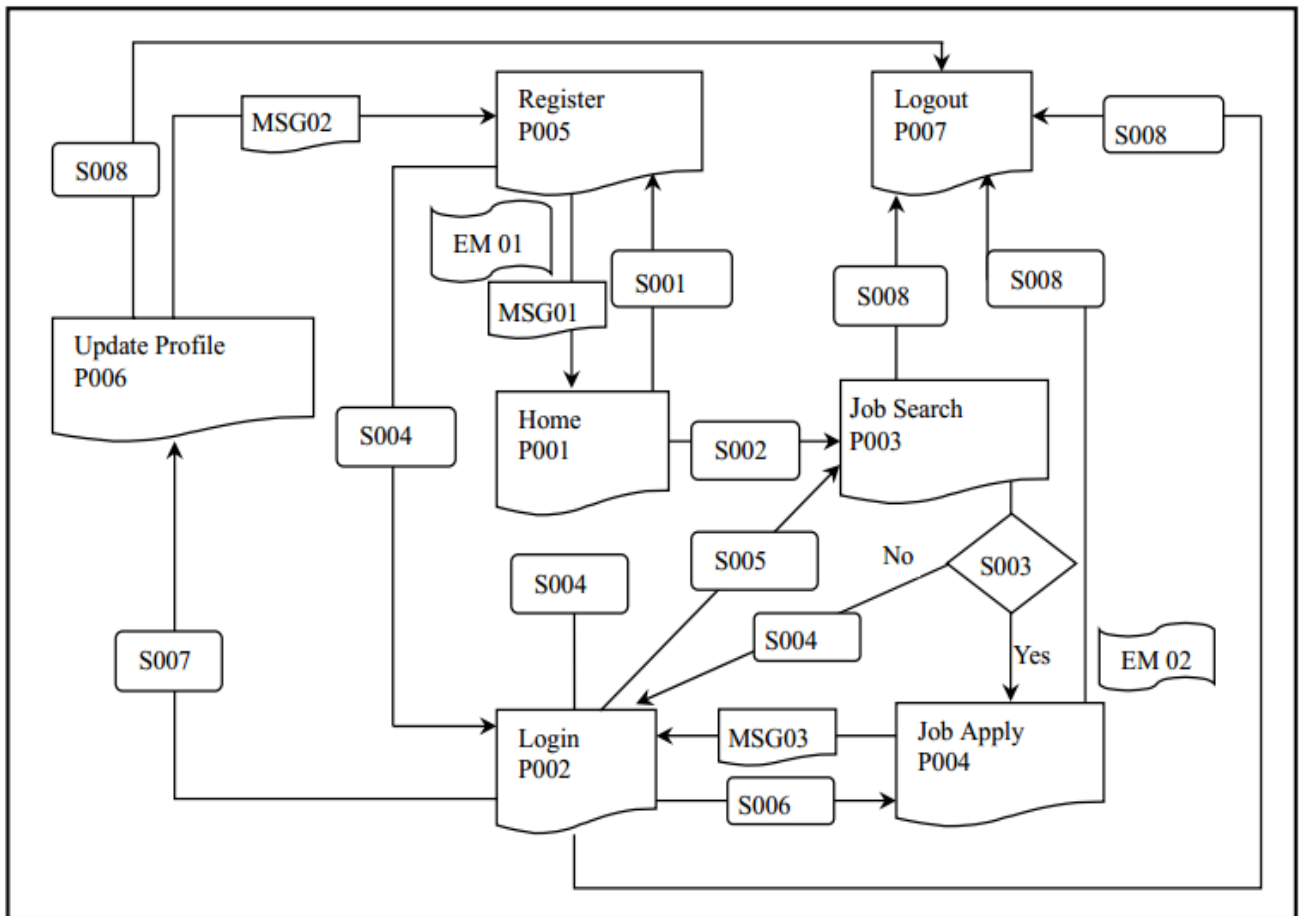


Figure 2. High-level OJMS navigation map

Table 1 shows the logical pages, Table 2 shows the screen transactions, Table 3 shows the display messages, and Table 4 shows the email messages.

Table 1. Logical pages

P001	Home Page
P002	Login Page
P003	Job Search Page
P004	Job Apply Page
P005	Register Page
P006	Update Profile Page
P007	Logout Page

Table 2. Screen transactions

S001	Create New Account
S002	Job Search (actor: <input style="border: 2px solid black;" type="text" value="A"/> )
S003	Is actor <input style="border: 2px solid black;" type="text" value="B"/>
S004	Login
S005	Job Search (actor: <input style="border: 2px solid black;" type="text" value="C"/> )
S006	Job Apply (actor: <input style="border: 2px solid black;" type="text" value="C"/> )
S007	Update Profile
S008	Logout

### Table 3. Display messages

MSG01	“Registration completed”
MSG02	“Profile successfully updated”
MSG03	“ <span style="border: 1px solid black; padding: 2px;">D</span> ”

#### Table 4. Email messages

EM01	“Registration completed”
EM02	“ <span style="border: 1px solid black; padding: 2px;">E</span> ”

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