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Job Portal – A common platform for job seeker and employer

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ABSTRACT

This paper describes the design and implementation procedure of the project work 'Job Portal - A common platform for job seeker and employer', the working steps and the required programming language which has been used to develop the whole project including the frontend and backend programming. Job Portal is a common and interactive platform for those organization who employ people and who search for work among different organizations. To fulfill the task done a registration required upon the job portal for both employer and job seeker. This web portal provides a simple way to open an account for both by inputting simple and valid required data. The program is designed in very smartest way to ensure that no duplicate data is added in database. Job seekers and employers can easily keep track on their posted job and desired job vice versa. Moreover, to increase the communication a live chat option has been added so that, the contacted person can exchange information while they are online within a short span of time. The portal is dynamic, very simple and easy to use and fulfill almost the requirements of modern web technology.

INTRODUCTION

Now-a-days it is common people search for job in their related job through online. World Wide Web has made the communication very easier. On the other hand, different organizations post their job on required filed through internet. Online job portal has become the most necessary platform upon the increasing job market. Thousands of people easily interact immediately when they are connected with the internet. On the other hand, interview options are also being provided on some job portal. Following the idea, we have developed a project which is almost similar to the portal in real life. We have job advertisement facilities, job-seeking and also live chat option. We have tried to make the portal as interactive as real world.

SYNOPSIS

Requirement of the project was to build a website for helping people who are looking for job and also for who are looking for employee and many more, which is build using advance JavaScript, NodeJS, HTML5, CSS3, Socket.IO, Passport and MySQL. Passport module is used for local authentication of the user. MySQL database is used for managing vast amount of users of the system efficiently with various kind of data purpose in future. Socket.IO, a JavaScript library is used here to update user's information in real-time manner.

We used in front-end

1. JavaScript
2. HTML 5(canvas)
3. CSS3 &
4. Bootstrap

We used in back-end

1. Passport for Authentication
2. JavaScript
3. NodeJS (Express Framework)
4. Socket.io

We also used MySQL database for store data and our Repository Hosting is in GitHub.

Our GitHub link is: <https://github.com/Imrulkais/jobPortal>

SEQUENCE DIAGRAM

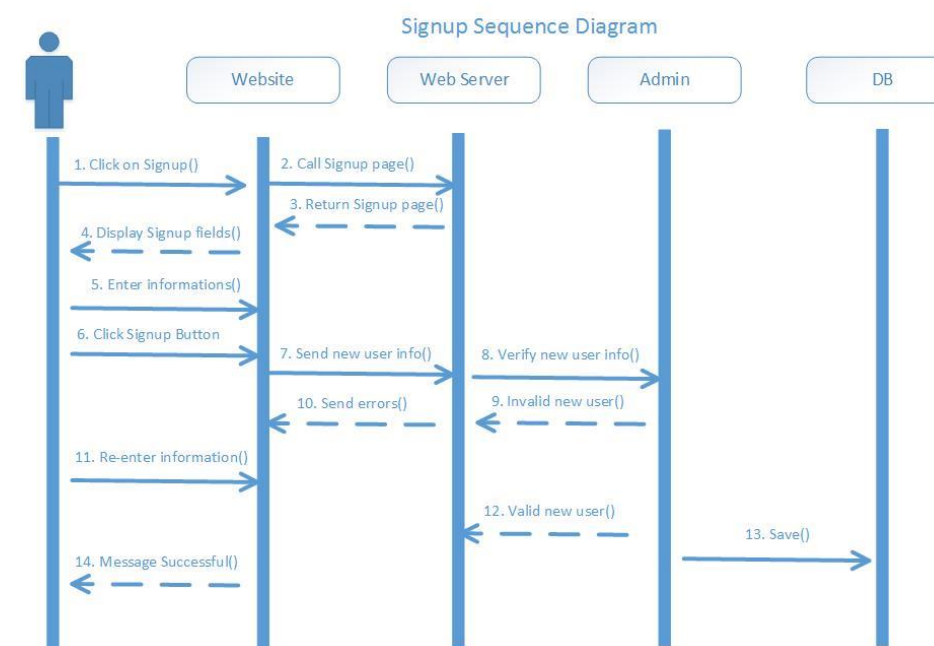


Figure 1: Signup Sequence Diagram

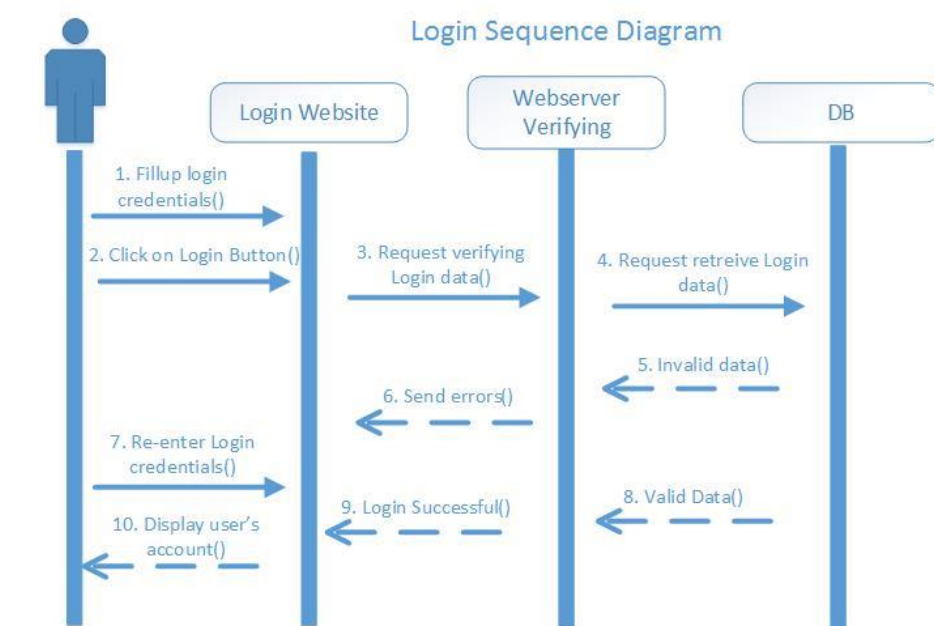


Figure 2: Login Sequence Diagram

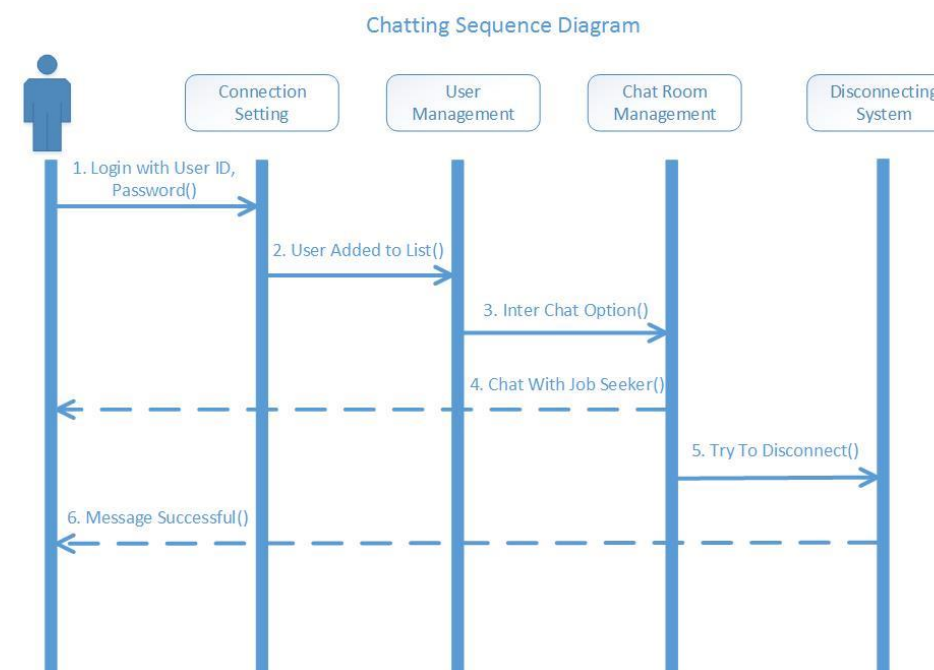


Figure 3: Chatting Sequence Diagram

FEATURES

In our Job Portal website there are few pages, the first page is main page where the users or visitors of this site see after entering the website. From this page, user can go to login or signup page. In Signup page, there are two options for job seeker & employer. User can sign up for using the website or they can only visit this website. After signing up, the user can login to the site using login page. When user login in to the site then he/she can see the profile page containing his/her information which are provided while signing up for the site. In this profile page, user has option to update/edit his/her information.

ADVANTAGES AND LIMITATIONS

Advantages:

- Account registration facility.
- Employer can post a job very easily.
- Job seeker can easily list the related job and apply immediately.
- Employer and job seeker can communicate through online.

Limitations:

- Employer cannot see who have applied in which position in job.
- Employer or applicant cannot communicate personally one with another. Ehen they appears online it just shows the list who are currently online.
- Job applicant cannot update the resume.
- Online video chat is not added yet.

CONCLUSION

A job portal works like a bridge among the employer and job seeker depending on how exactly they both utilizing the facility. On the other hand, it must be user friendly, easy to understand, updated and equipped with the modern amenities. Then it will count as a successful platform of career hunters. We have tried our best to match the criteria which remains in a standard online job portal.

FUTURE WORK

- To add more content on the portal.
- To add an option so that, employer can see who have applied in which position in job and track it in easier way.
- To provide facility so that, employer or applicant can communicate personally one with another.
- To add a feature so that applicant can update their resume.
- To introduce online video chat option.

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