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## **Project Objectives**

This project will develop new business processes and supporting information system processes and services to support the strategic vision for Jobopportunities Co. application and member services. It is anticipated that the resulting system will provide for highly integrated processes and services that cross many internal business functions and reach out directly to customers. It is anticipated that this project will result in the following:

1. Develop an in-house information system that results in significant competitive advantage for Jobopportunities Co. in a highly competitive market.
2. Develop a computerized system that can facilitate and digitalize the traditional lengthy processes involved in job applications and provide a high value job portal that is trustworthy and reliable.

## **Problem Statement**

Member Services handle membership registration and application processes in addition to job listings. Registration , application processing and job listings are, for the most part, based on a combination of manual and computerized processes that have remain largely unchanged for twenty years. Creating this system will induce consistency with the contemporary economy and industry in which we will compete in. Existing employment processes do not support remote applicants and therefore are unreachable to some people and are not always fully compatible or consistent with their enterprise information system counterparts. The automation processes implemented in this system will significantly facilitate much of the application services required to complete the employment process. Finally, the team conceded that most computerization was merely automating what appear to be outdated business processes. The following specific problems were discussed in a full-day meeting of the project team:

- 1- Traditional employment companies rely on paper work which induces poor time management and in turn results in delaying services and processes for clients and the company.
- 2- Slow paper work raises concern over distribution of papers for employment between clients and companies which could take up to a week long.
- 3- Storing information becomes unnecessarily redundant; information will have to be manually inputted and stored in more than one place.

- 4- Incidentally, if a client/employee returns for a applying more than once all necessary information will have to be recorded from scratch.
- 5- Logical concern over privacy of clients or potential employees' data, as no control can be guaranteed about viewing of paperwork.
- 6- Retrieval of information from such a system is lengthy and time-consuming and sometimes inconsistent in case a certain client has applied for employment more than once.
- 7- Customer support made difficult and unsuitable for clients working or living outside of the area.
- 8- Increased difficulty for management due to lack of consistent and credible reports being generated.
- 9- Traditional employment companies do not provide enough appeal to stand out in marketing campaigns.

## **Initial Scope of the Project**

This cross-functional project will support or impact the following business functions and external parties:

- 1- Marketing
- 2- Memberships
- 3- Job Entry
- 4- Listing control and procurement
- 5- Accounts receivable and payable
- 6- Member services for all clubs
- 7- External Parties
  - 1- Prospective members
  - 2- Members
  - 3- Former members
  - 4- Companies

It is recognized that project scope may need to be refined over the course of the project. Project scope should be defined as explicitly as possible in the first phase of the project. Any significant deviation of functionality, cost, or timetable must be reported promptly to the appropriate director. That director must promptly request and facilitate a scope change consensus meeting of the Information Systems Steering Committee.

## **Project Vision**

The strategic IS plan recommended a system that will:

- 1- Develop a sophisticated database to keep track and organize information about recruiting companies and employees.
- 2- Exponentially reduce the need for redundancy by filtering and importing data to newly formed database.
- 3- Automate form generators to eliminate the burden for clients of having to be physically present at the company when they can simply submit their application and requests through a device's screen.
- 4- Consume less time to submit applications therefore allowing applicants to be immediately visible to recruiting companies.
- 5- Allow for a publicly viewable feedback system to increase value to company and appeal more to potential applicants.
- 6- Guarantee unbiased and thorough application processes for recruiters and employees without any unnecessary delays.
- 7- Provide a flexible, automated, interactive and simple interface between the system, recruitment departments of the companies listing jobs and the job seekers.
- 8- Prioritize security and privacy of data information in order to build confidence with all the different actors on the system.
- 9- Implement outstanding customer service to aid with solving and answering all member questions and complaints.

## **Business Constraints**

- 1- The initial version of the system must be operational in three months. Subsequent versions should be released in fourth-month increments.
- 2- The system cannot alter any existing file or database structures in the Clients and Companies Information System without approval of management.

- 3- The system may be required to be compatible with an Organizing and Report Generating software package that is being considered for organizing clients and companies' information and generating consistent reports to aid management in decision-making.
- 4- As part of Elevator Co. strategic goal to become ISO 9000 certified, all business processes are subject to improvement in total quality management and should support continuous improvement.
- 5- The system must conform to the approved technology architecture approved as part of the IS strategic plan. Exceptions must be pre-approved by both the Technology Architecture Committee and the Information Services Steering Committee. The system should harness the recent plan to invest in client/server network technology.

## **Technology Constraints**

The new system must conform to the following information technology architectural standards:

- 1- This project will require the development of one or more enterprise databases. The corporate database server standard is DataGrip running on an Ubuntu 18.04 LTS Server.
- 2- The project will require the development of one or more applications. The corporate application development environment must be chosen from NetBeans or Visual Studio Code. NetBeans is preferred for most applications, deferring to Visual Studio Code when performance becomes an issue. All applications for this project will be written in HTML, CSS, JAVASCRIPT, PHP, JAVA, and PYTHON.
- 3- All Internet and intranet Web servers will be implemented using Landscape: Server Management running on an Ubuntu 18.04 LTS server.
- 4- Internally, all client workstations will run the Windows 10 desktop operating system including the Internet Explorer Web browser.
- 5- Externally, for members, any solution developed must run equally well on either the Microsoft Internet Explorer running on Windows, MacOS, or Linux clients.
- 6- The project team is empowered to explore and recommend intranet and extranet technologies as appropriate to the information system requirements; however, all technologies should be approved by the information technology architecture group prior to purchase or installation.

## **Project Documentation and Communication**

The following guidelines should be used for communications:

- 1- The project team will hold weekly status meetings, chaired by the project manager. All project status meetings minutes and reports will be shared with all IT directors.
- 2- Team members will utilize electronic mail, dialogue, and written completion criteria on a regular basis as vehicles for project communication.
- 3- The following directory folder shall be used to store the charter and all subsequent documentation and work-in progress components:

D:\Software Engineering Project\Employment Company

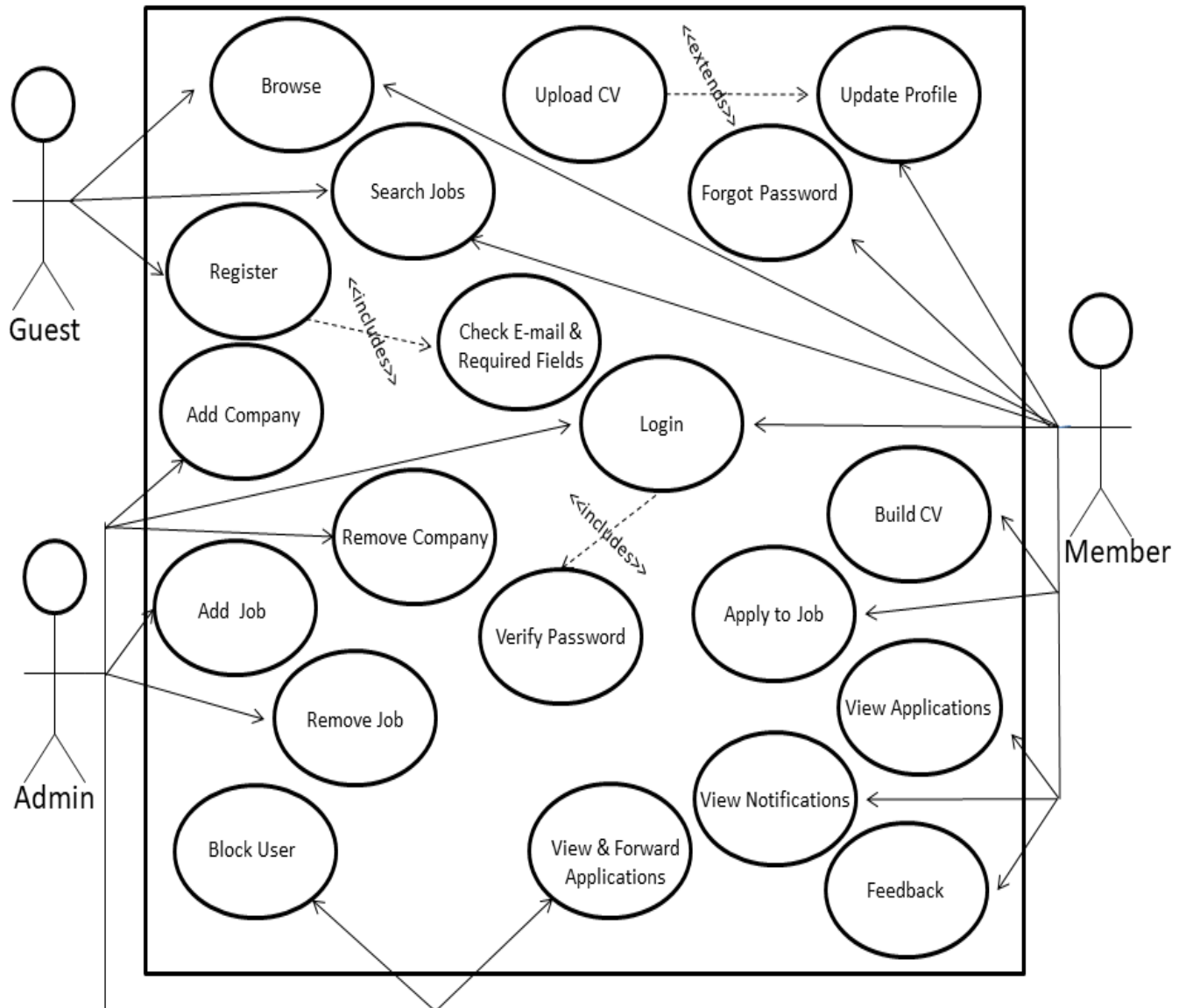
## Use-Case List Table

Actor	Use Case	Description	ID
<b>GUEST</b>	Browse	This use case allows the guest user to freely browse through the website and see what the website has to offer without being able to apply for anything.	UC1
	Search Jobs	This use case allows the guest user to search for jobs. The website will show the jobs that match the search specifications but the guest will only be able to view them and not apply.	UC2
	Register	With this use case, the guest member would be able to provide the information required in order to register to the system to become a member which will allow the user to bypass restrictions placed on guest users.	UC3
<b>MEMBER</b>	Log In	This use case takes credentials from the user and checks whether the user is eligible to access the system as a registered member.	UC4
	Browse	This use case allows user to freely browse through the website and see what the website has to offer with the ability to apply for jobs.	UC5
	Update Profile	The system member will use this in order to set up a profile and provide required information and pictures if necessary about the member in question. The user will also be able to upload a ready CV.	UC6
	Build CV	This use case provides a custom CV builder that the member can use to build a CV.	UC7
	Apply for Job	If the member finds a job appealing, she/he can initiate this use case in order to apply for the job.	UC8
	Search Jobs	This use case allows the member to search for jobs. The website will show the jobs that match the search specifications and the member can use 'Apply for Job' on any of the search results.	UC9

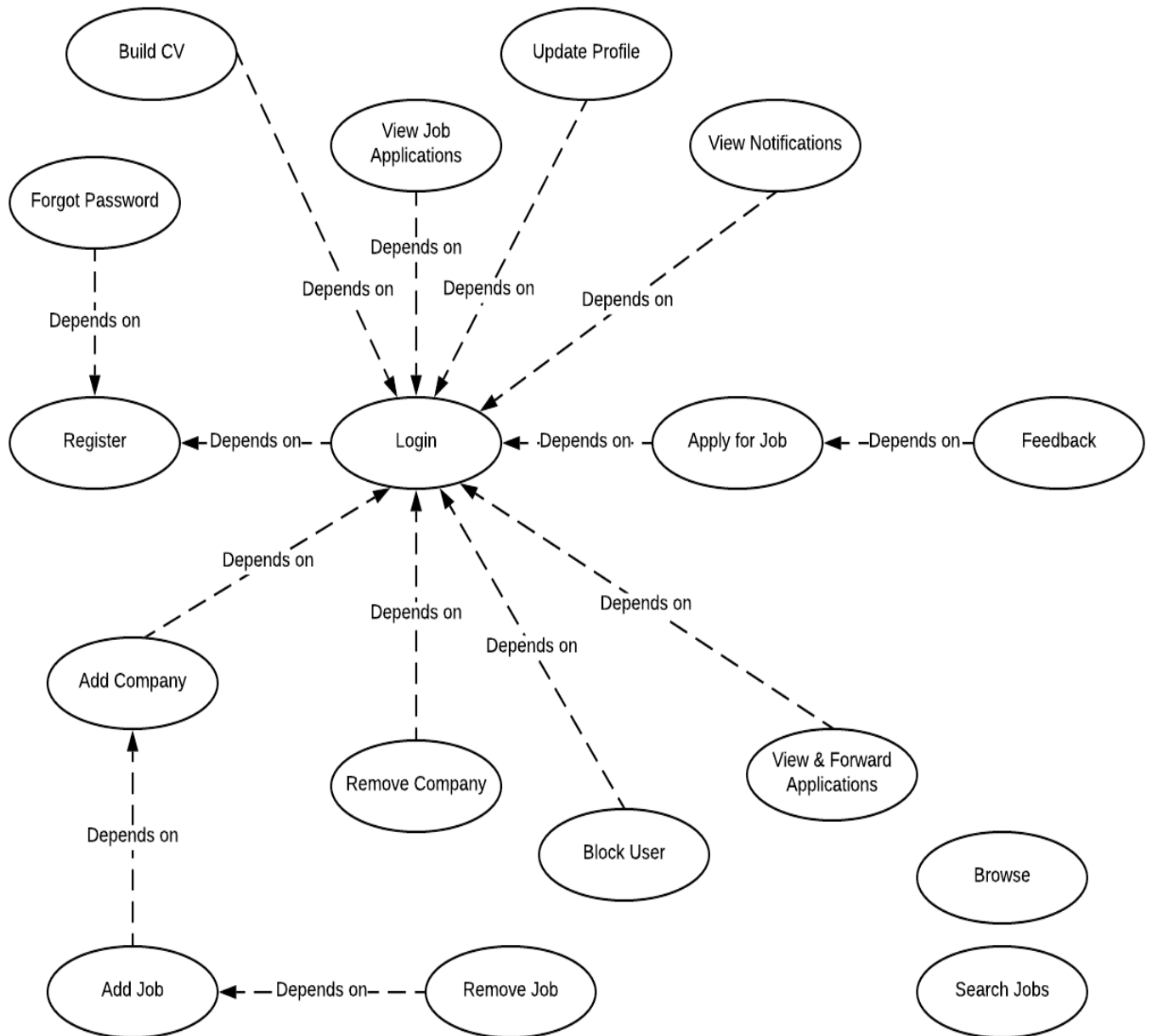


ADMIN	View Notifications	A system member utilizes this use case to view her/his notifications. Notifications are usually acceptances or rejections from companies.	UC10
	View Applications	This use case will allow the member to view all applications of jobs she/he has applied to.	UC11
	Forgot Password	This use case will allow the member to request a password change in case she/he has forgotten the password to access their account.	UC12
	Feedback	After having applied to a job, the member will be able to give her/his feedback on the website and/or the application process.	UC13
	Log In	This use case takes credentials from the user and checks whether the user is eligible to access the system as an administrator.	UC14
	Add Company	This use case allows the administrator of the system to add a company.	UC15
	Remove Company	This use case allows the administrator of the system to remove a company.	UC16
	Add Job	The admin utilizes this use case to keep the job offerings updated by adding new job vacancies.	UC17
	Remove Job	The admin utilizes this use case to keep the job offerings updated by removing job offerings that are no longer available.	UC18
	View & Forward Applicants	This use case allows the admin to view applicants and forward the applications to the companies for evaluation.	UC19
	Block User	This use case gives the administrator the ability to block a specific user for inappropriate behavior and/or offensive material.	UC21

## Use-Case Model Diagram



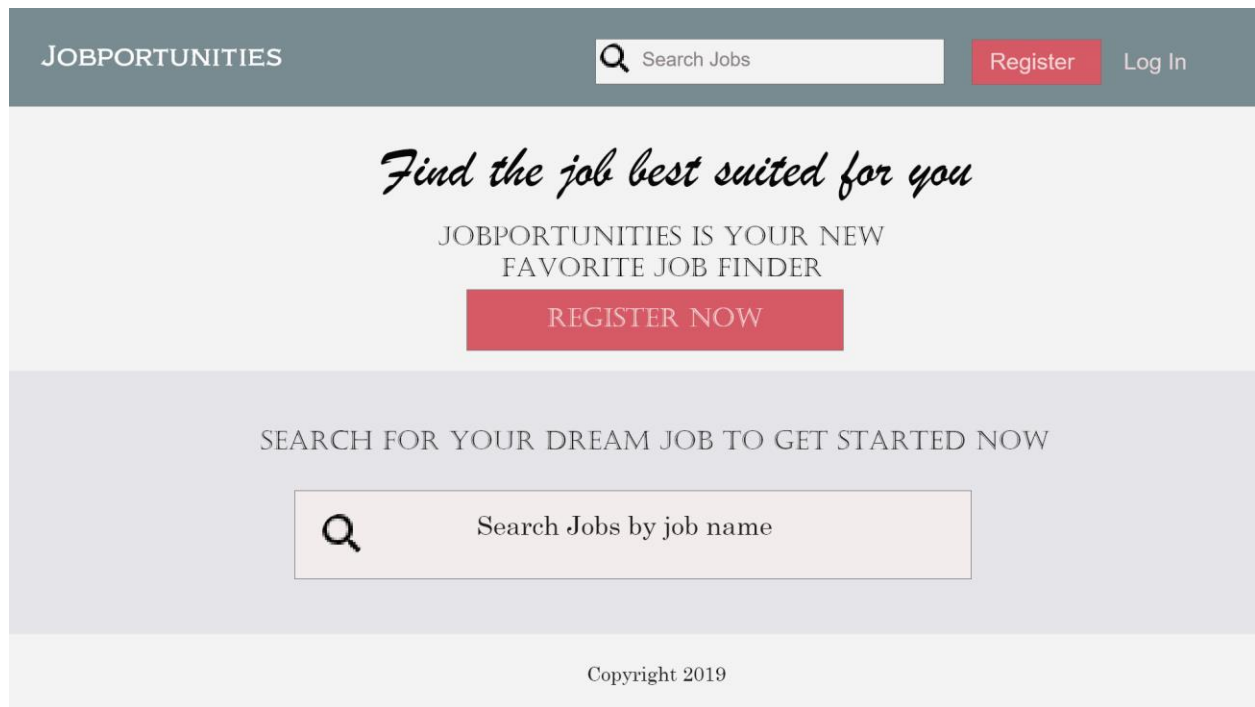
## Dependency Diagram



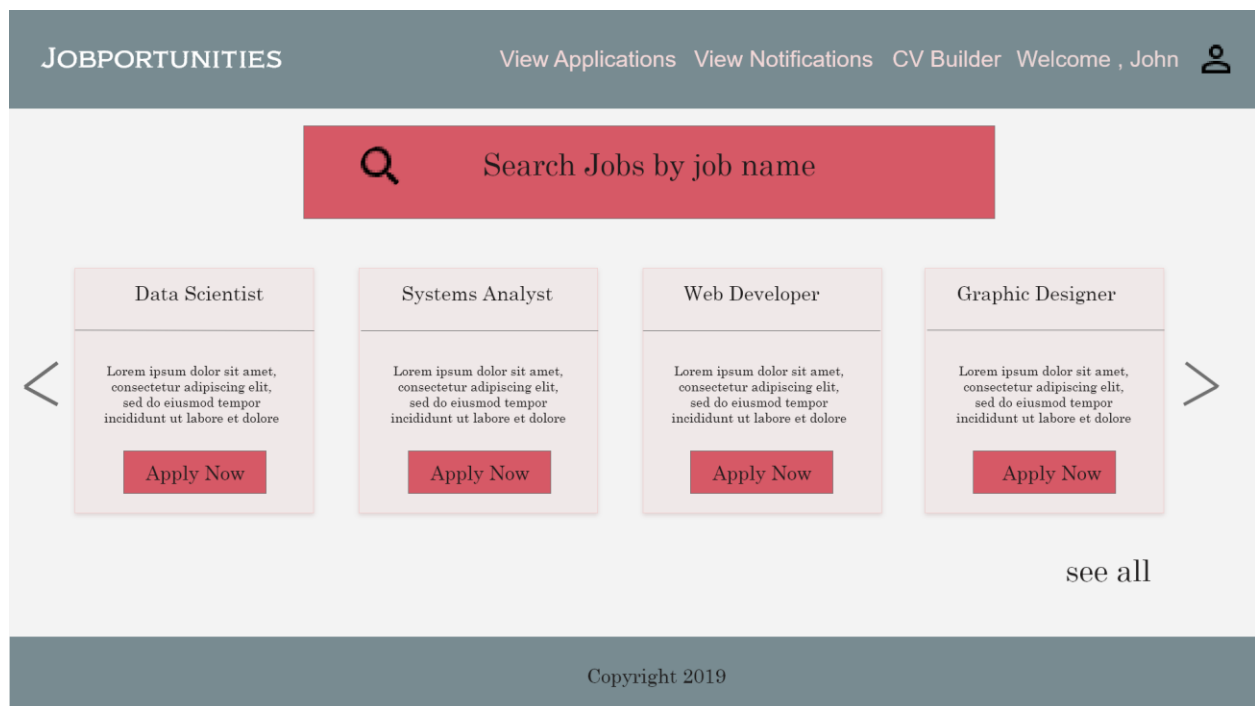
## Use-Case Narratives

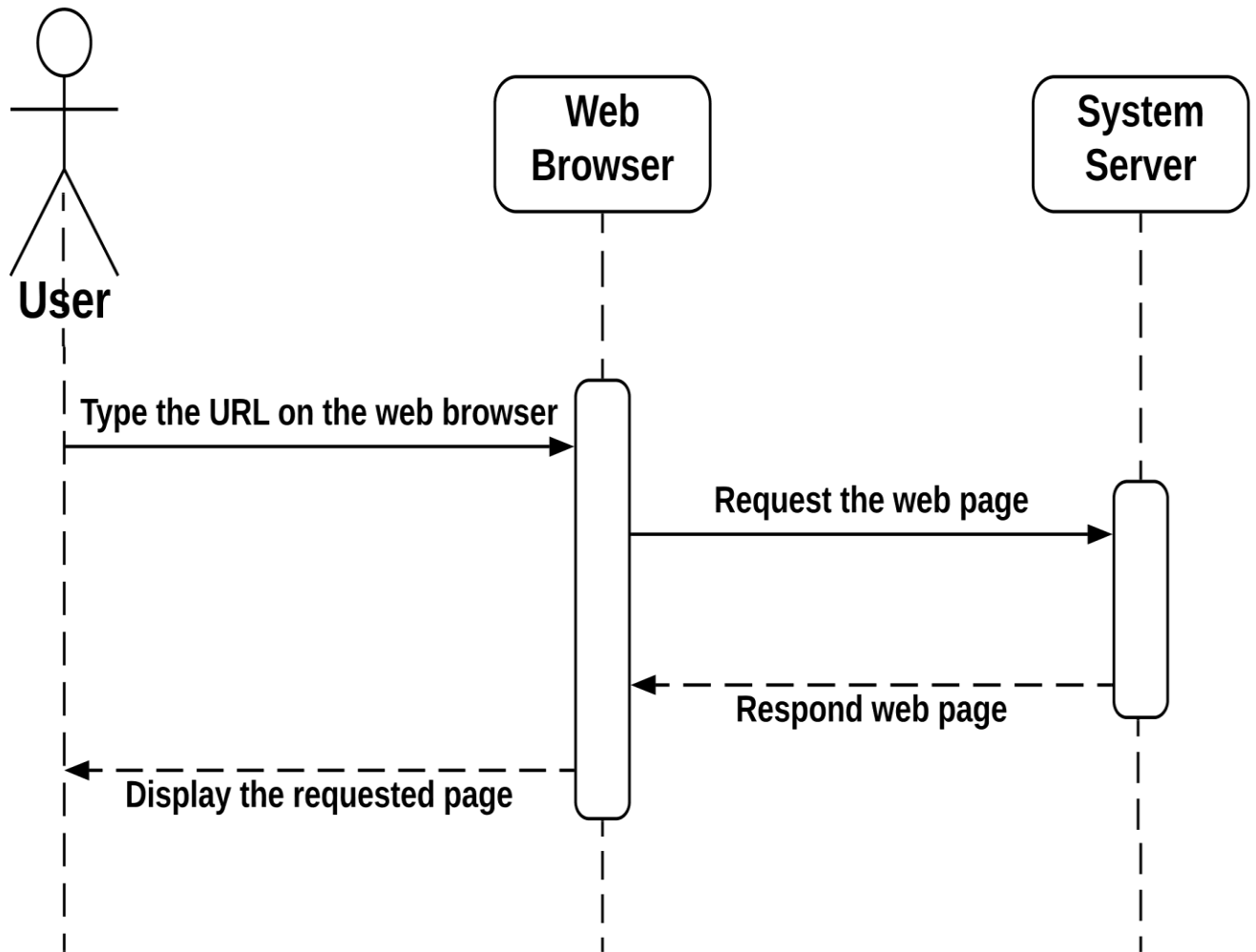
### Use-Case Browse

<b>Use-Case Name</b>	Browse
<b>Use-Case ID</b>	UC1 , UC5
<b>Priority</b>	High
<b>Primary Business Actor(s)</b>	Guest User , System Member
<b>Description</b>	This use case allows the user to freely browse through the website and see what the website has to offer. If the user browsing through the website is a system member and is logged in, she/he will have an 'Apply Now' button underneath the available job offerings and a profile button in the top right corner. Guest users will have the option to either log in or register via buttons in the top right corner.
<b>Precondition</b>	N/A
<b>Trigger</b>	This use case is initiated when the website is accessed.
<b>Typical Course of Events</b>	N/A
<b>Alternate Courses</b>	N/A
<b>Conclusion</b>	This use case concludes when the user leaves the website.
<b>Post condition</b>	N/A



## Member Browse





## Use-Case Search Jobs

<b>Use-Case Name</b>	Search Jobs	
<b>Use-Case ID</b>	UC2 , UC9	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	Guest User , System Member	
<b>Description</b>	This use case allows the actor to search for jobs. The website will show the jobs that match the search specifications and will display a “no match found” message in case there is no match. Only system members will have an ‘Apply Now’ button option next to jobs found.	
<b>Precondition</b>	The search field must be filled by user.	
<b>Trigger</b>	This use case is initiated when the actor submits the search criteria by clicking the search icon.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The system user provides search criteria by typing into the search field and clicks the search icon to submit.	<b>Step 2:</b> The system responds by verifying that the search field is not empty.  <b>Step 3:</b> The system iterates over the jobs available and eliminates all jobs that do not match with the search criteria. <b>Step 4:</b> The system then displays the jobs found in order of highest match to the search criteria.
<b>Alternate Courses</b>	<b>Alt-Step 2:</b> The system user has clicked on the search icon without previously filling the search field in which case the search icon toggles signaling that the field is empty and the webpage <b>does not</b> refresh. <b>Alt-Step 3:</b> The search criteria does not match any of the jobs available in which case all jobs are eliminated from search results. <b>Alt-Step 4:</b> The system will display a “no items have been found” message to notify the user that no match has been found.	
<b>Conclusion</b>	This use case concludes when the system reloads the webpage and displays search results.	
<b>Post condition</b>	The search results are displayed.	



Data Science

Data Scientist

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Apply Now

Big Data Architect

Lorem ipsum dolor sit amet,  
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Apply Now

Data Engineer

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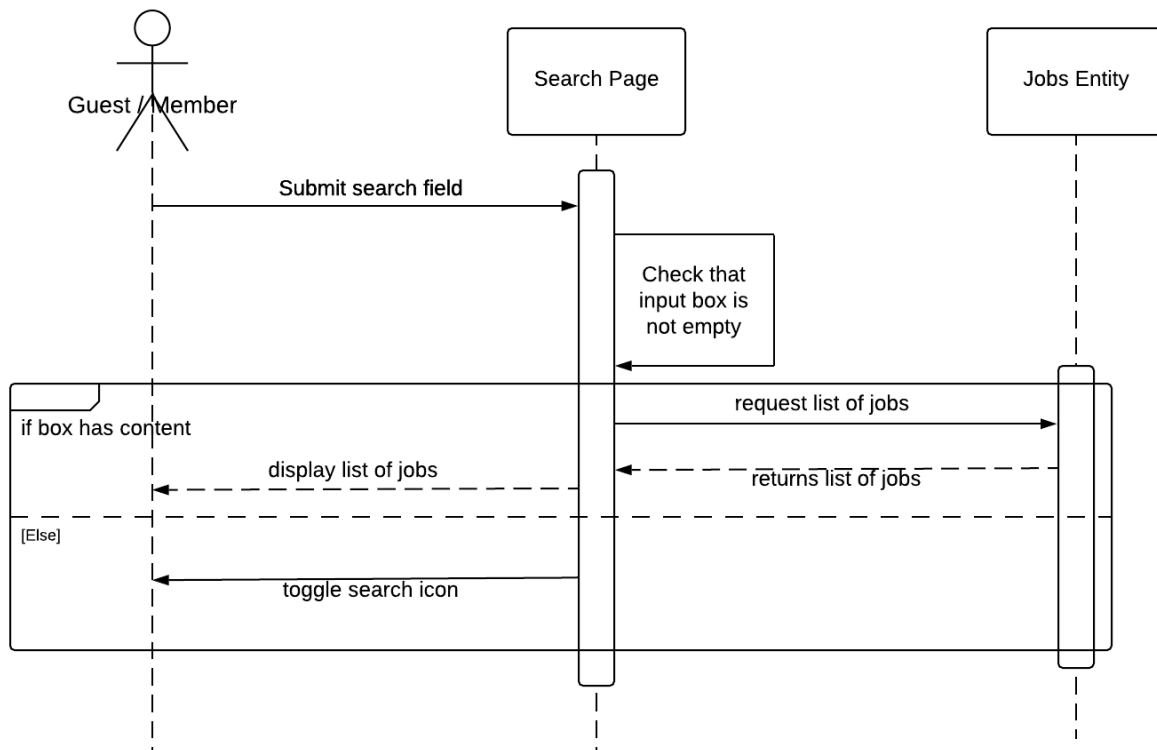
Apply Now

Data Organization

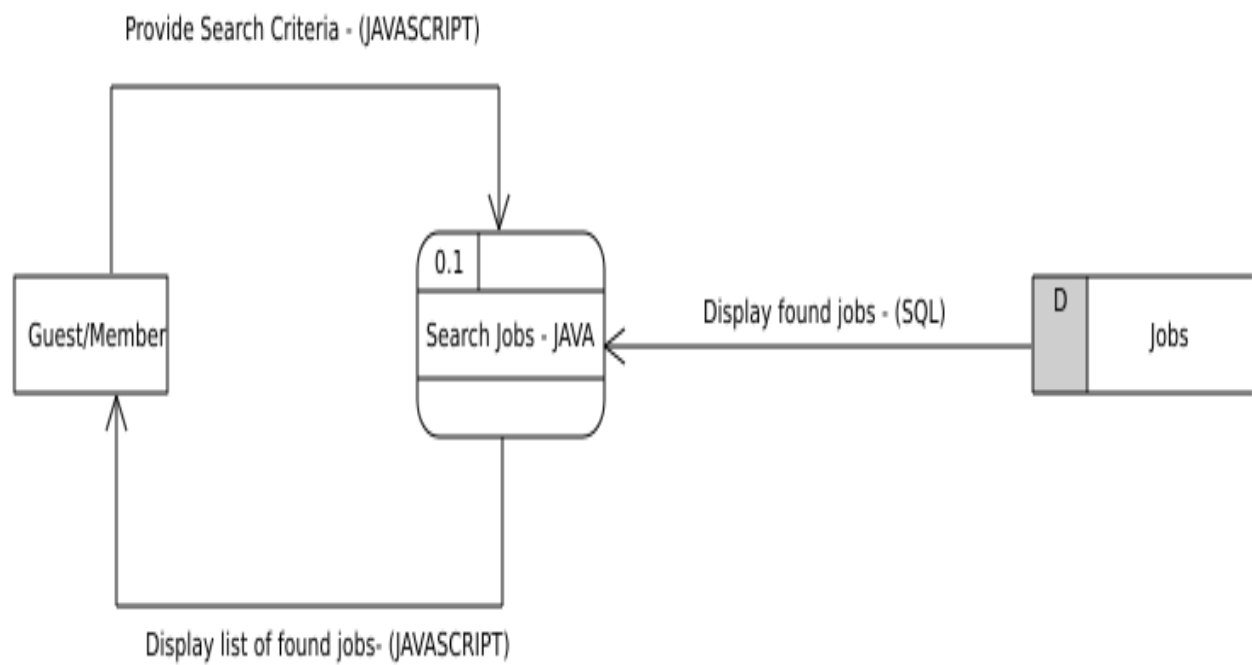
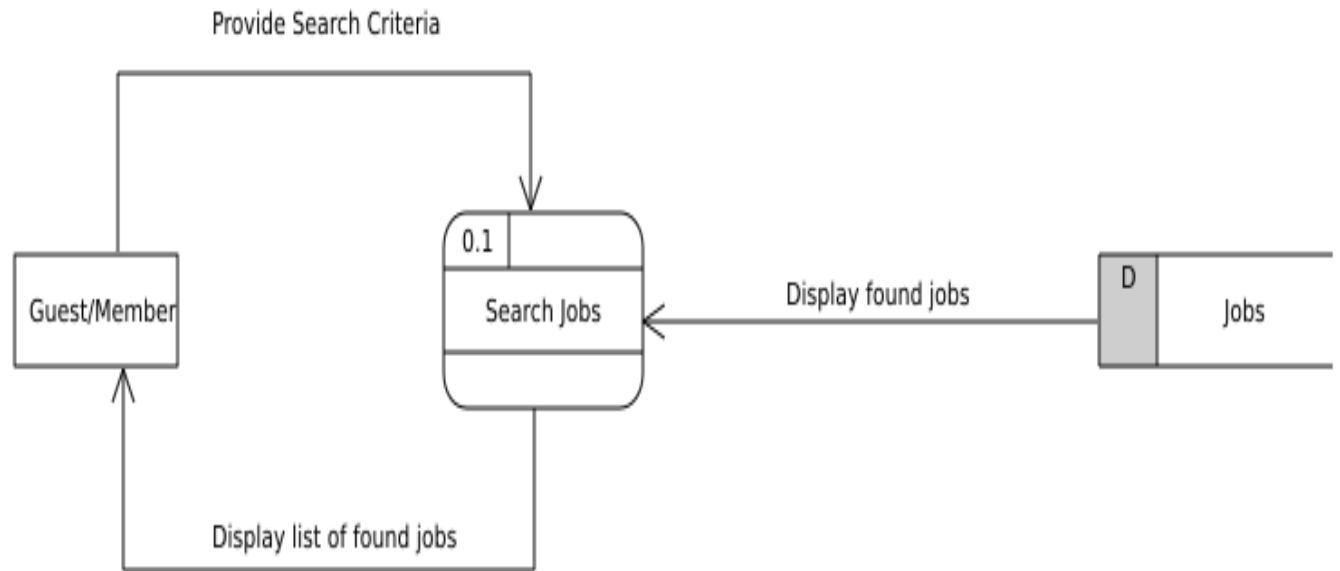
Lorem ipsum dolor sit amet,  
consectetur adipiscing elit,  
sed do eiusmod tempor  
incididunt ut labore et dolore

Apply Now

[see all](#)



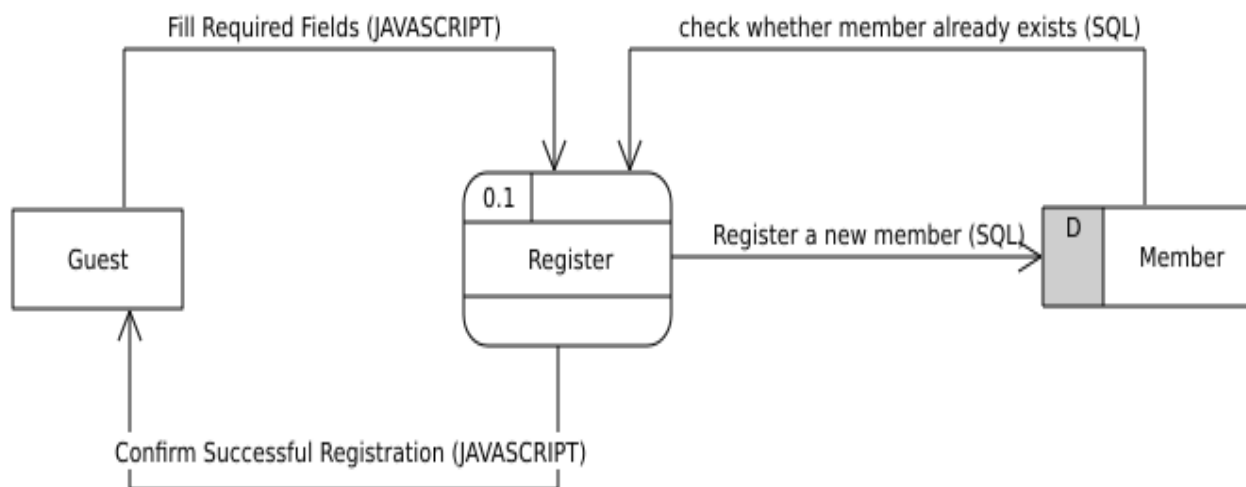
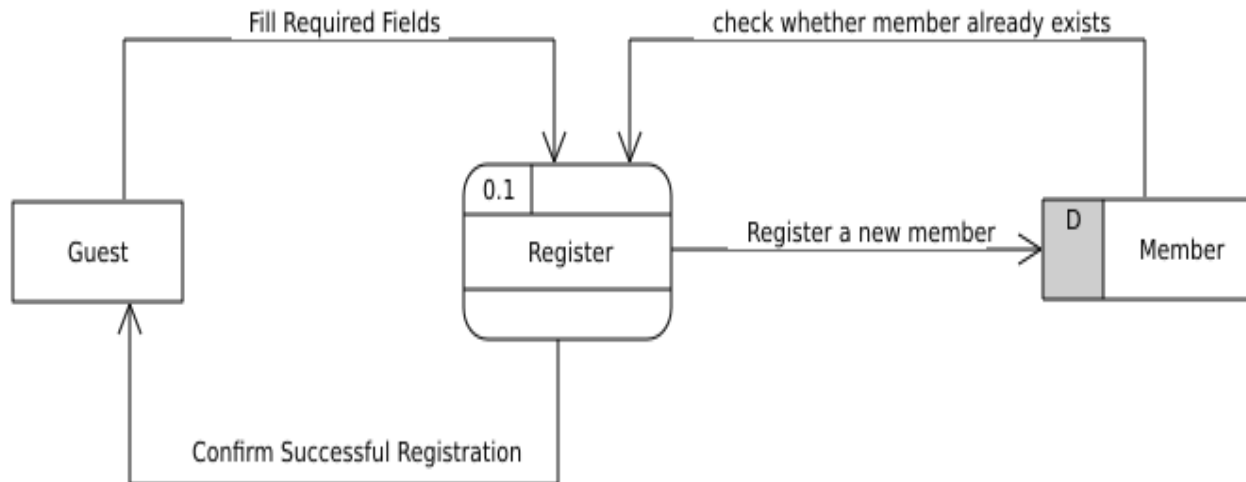




## Use-Case Register

<b>Use-Case Name</b>	Register	
<b>Use-Case ID</b>	UC3	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	Guest User	
<b>Description</b>	With this use case, the guest member would be able to provide the information required in order register to the system to become a member, which will allow the user to bypass restrictions placed on guest users. The user would then be able to log in to the system as a member.	
<b>Precondition</b>	The guest user is on the register form.	
<b>Trigger</b>	This use case is initiated when the user clicks register.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The guest user fills the fields in the register form and submits by clicking register.	<b>Step 2:</b> The system responds by checking that the e-mail address is valid and that all required fields have been filled. <b>Step 4:</b> The system validates that the username entered is unique. <b>Step 5:</b> The system checks whether the password is strong enough and if the confirm password field matches. <b>Step 6:</b> The system then adds the information provided to the database and successfully registers the user as a member. <b>Step 8:</b> An e-mail is sent by the system to the user welcoming she/he to the system.
<b>Alternate Courses</b>	<b>Alt-Step 2:</b> The e-mail entered is invalid and the user is prompted to re-enter a valid e-mail. <b>Alt-Step 3:</b> Some of the required fields have been left empty by the user and the system colors the borders of the fields in red and prompts the user to not leave the fields empty. <b>Alt-Step 4:</b> The username entered is already present in the database and therefore the user is prompted to input a new username that is unique. <b>Alt-Step 5:</b> If the password does not fulfill requirements the user is asked to enter another password. If the confirm password field does not match the password field, the user is prompted to re-input the password.	
<b>Conclusion</b>	This use case concludes when the user successfully registers on the system.	
<b>Post condition</b>	A new entry with the user's information is added to the system and a welcome e-mail is sent to the user.	





## Use-Case Log In

<b>Use-Case Name</b>	Log In	
<b>Use-Case ID</b>	UC4 , UC14	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Member , System Administrator	
<b>Description</b>	This use case takes credentials from the user and checks whether the user is eligible to access the system as a registered member or an administrator.	
<b>Precondition</b>	The user is trying to log in to the system must be a member.	
<b>Trigger</b>	This use case is initiated when the user clicks Log In.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The user inputs username and password in their respective fields and submits by clicking on log in.	<b>Step 2:</b> The system responds by verifying that all required information has been provided. <b>Step 3:</b> The system checks if the username and password entered are valid. <b>Step 4:</b> The system grants access to the user requesting access. Member and Administrator have different screens.
<b>Alternate Courses</b>	<b>Alt-Step 2:</b> User has left blank fields therefore the system prompts user to fill all fields. <b>Alt-Step 3:</b> The username or password entered is incorrect, the system informs user that either username or password is incorrect and prompts user to refill fields.	
<b>Conclusion</b>	This use case concludes when the user leaves the website.	
<b>Post condition</b>	The user trying to log in has been granted access.	

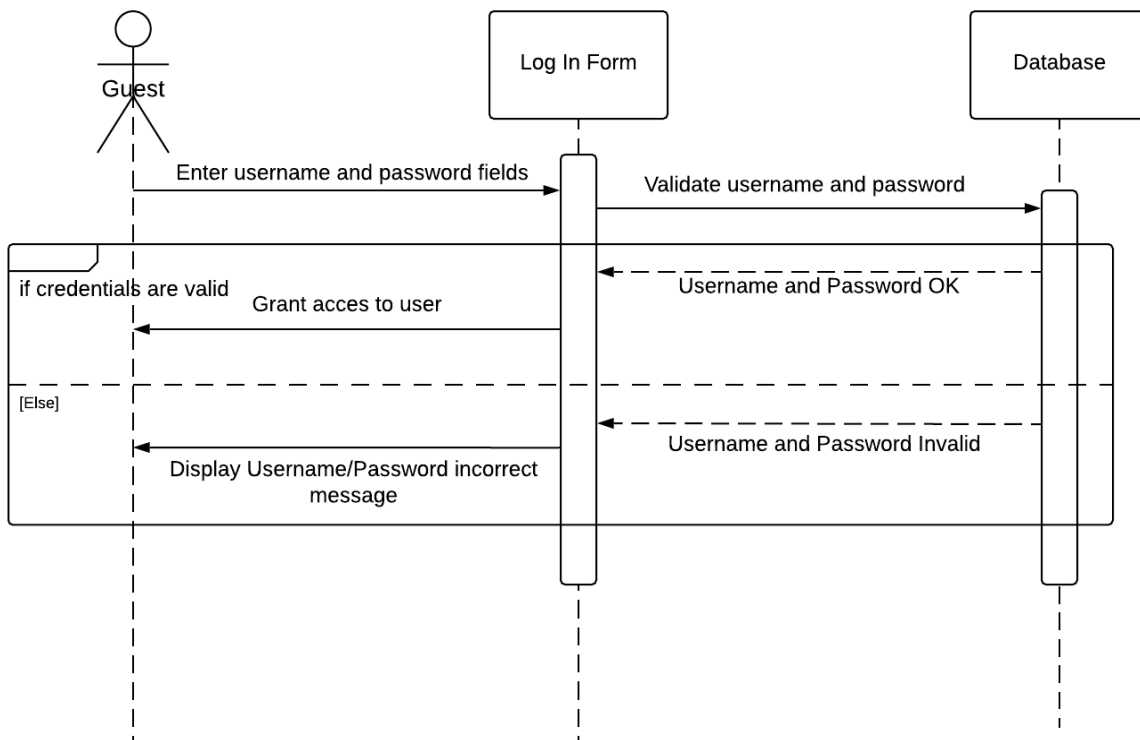
## LOG IN TO YOUR ACCOUNT

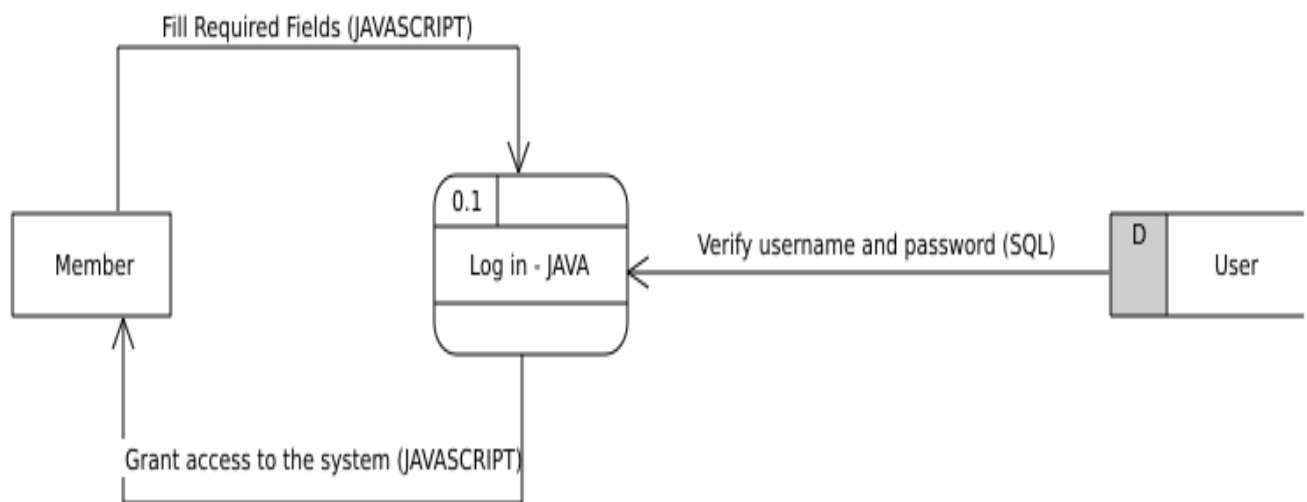
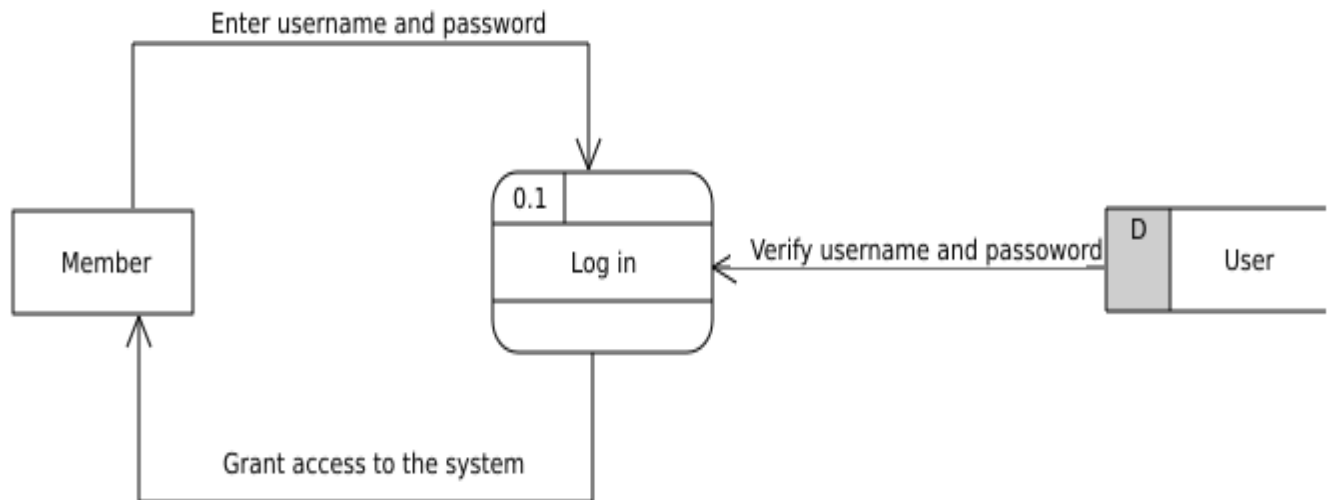
Username :

Password :

Log in

Forgot Password





## Use-Case Update Profile

<b>Use-Case Name</b>	Update Profile	
<b>Use-Case ID</b>	UC6	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Member	
<b>Description</b>	The system member will use this in order to set up a profile and provide required information and pictures if necessary about the member in question. The user will also be able to upload a ready CV.	
<b>Precondition</b>	The user is viewing her/his profile.	
<b>Trigger</b>	This use case is initiated when the user clicks “Update Profile” button.	
<b>Typical Course of Events</b>	<p><b>Actor Action</b></p> <p><b>Step 1:</b> The member user clicks on profile.</p> <p><b>Step 2:</b> The member user changes fields in profile and/or uploads a cv.</p> <p><b>Step 3:</b> The member user clicks “Update Profile” button in bottom of the page.</p>	<p><b>System Response</b></p> <p><b>Step 4:</b> The system checks what fields have been changed.</p> <p><b>Step 5:</b> The system checks if the user has uploaded a valid cv format.</p> <p><b>Step 6:</b> The system updates database and displays a “Profile has been successfully updated” message to user.</p>
<b>Alternate Courses</b>	<p><b>Alt-Step 4:</b> The user has not changed any fields so the system displays a “No fields have been changed” message to user.</p> <p><b>Alt-Step 5:</b> The user has uploaded a cv with an unsupported format and the system informs the user with an “Invalid CV format. Please upload a cv with a supported format or try using our CV builder instead.” message.</p>	
<b>Conclusion</b>	This use case concludes when the system updates the profile or returns a message to the user.	
<b>Post condition</b>	The user’s profile is updated.	



Upload  
Photo

First Name :

Last Name :

Date of Birth :

Gender :

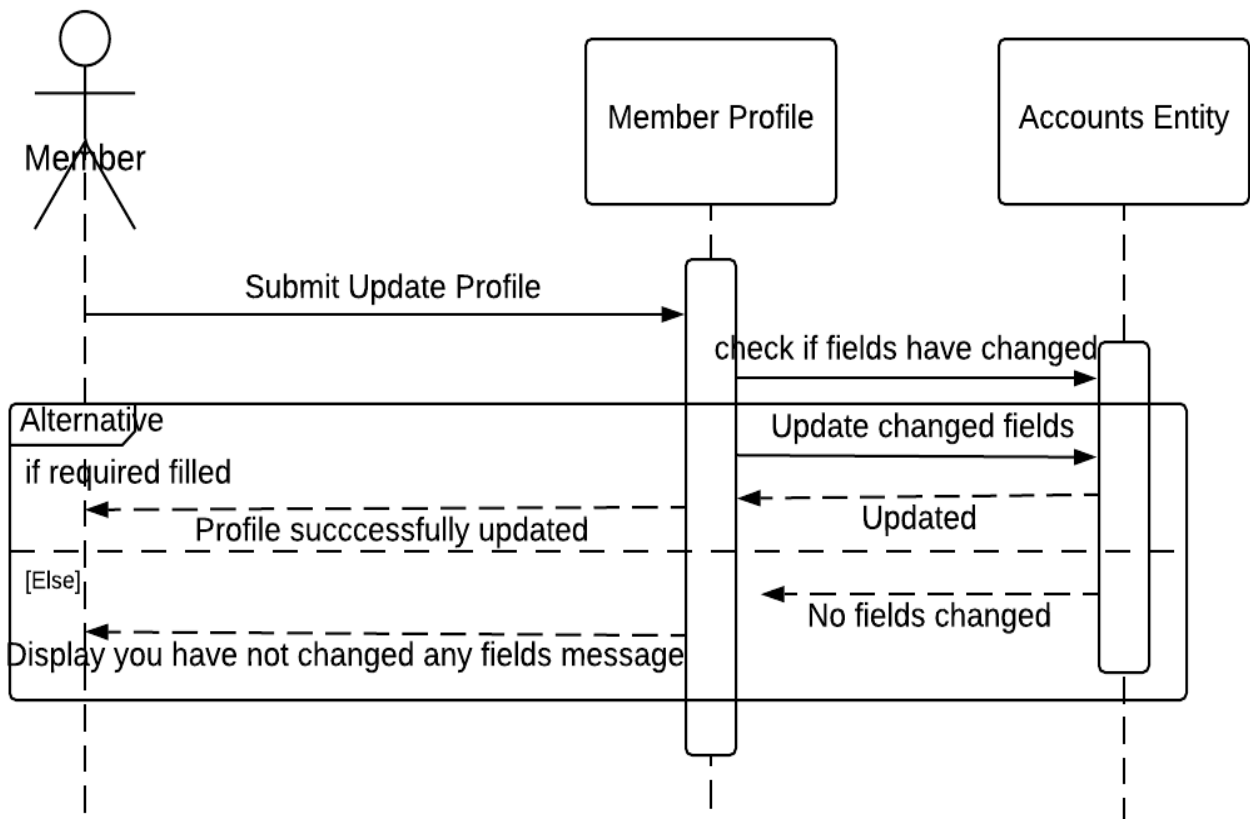
Upload CV :  [upload](#)

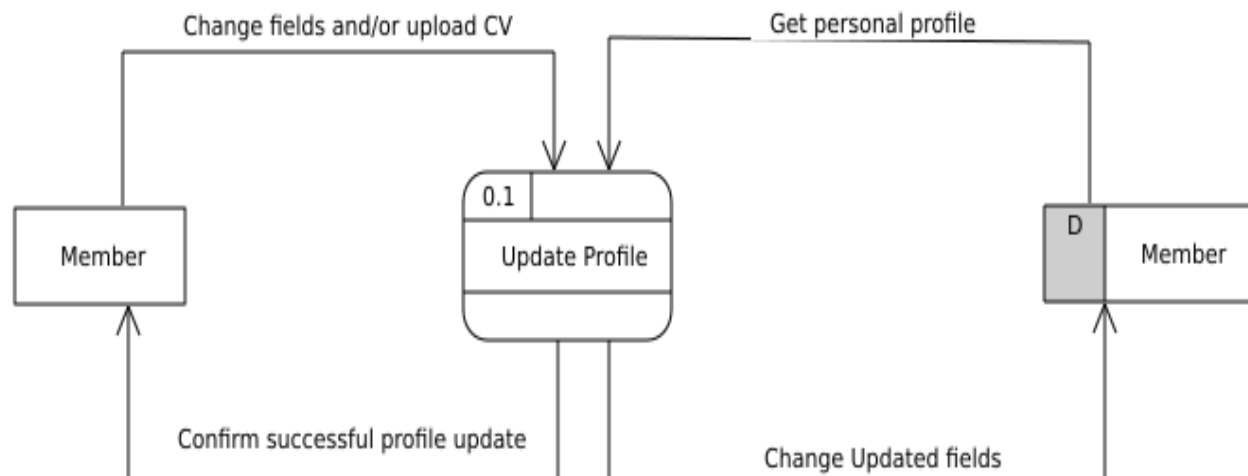
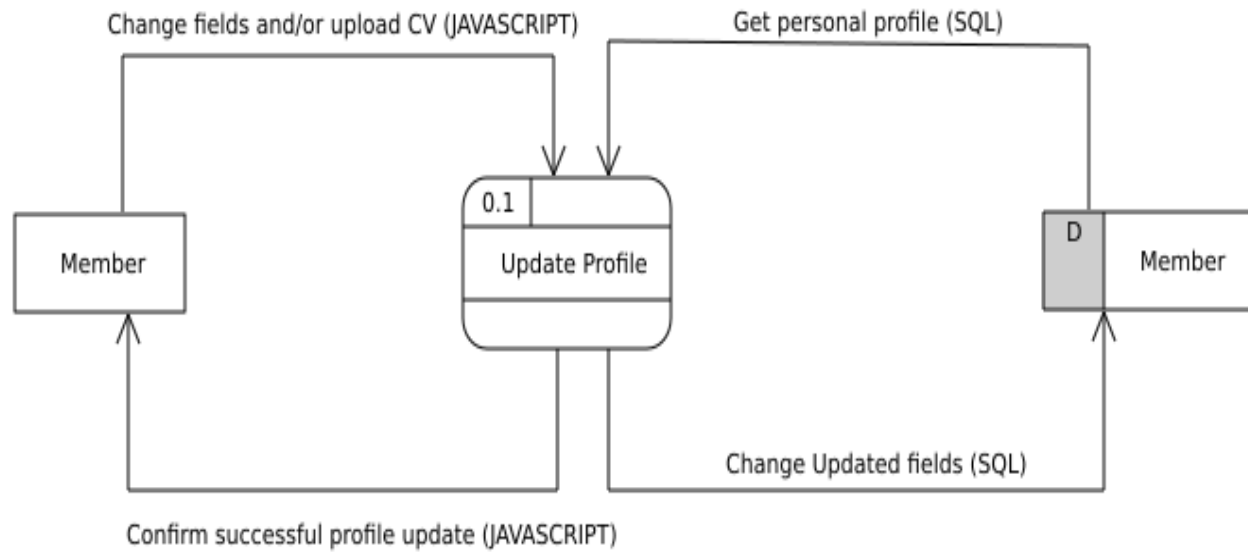
Location :

E-mail :

[Update Profile](#)

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## Use-Case Build CV

<b>Use-Case Name</b>	Build CV	
<b>Use-Case ID</b>	UC7	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Member	
<b>Description</b>	This use case provides a custom CV builder that the member can use to build a CV. The user also has the options to save , update and download CV.	
<b>Precondition</b>	The user must fill all required fields in CV template.	
<b>Trigger</b>	This use case is initiated when the user chooses Build CV option from menu.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The user clicks on Build CV button from the navigation bar. <b>Step 3:</b> The user fills the required fields. <b>Step 4:</b> The user clicks Build and Update CV.	<b>Step 2:</b> The system then loads the cv fields to be filled by the user. <b>Step 5:</b> The system verifies that all fields have been filled by user. <b>Step 6:</b> The system automatically updates CV in profile. If user has already uploaded a CV, it will be replaced. <b>Step 7:</b> The system informs the user with a message that a CV has been built and profile has been updated.
<b>Alternate Courses</b>	<b>Alt-Step 5:</b> The system discovered that some fields have not been filled and prompts use to fill all highlighted fields.	
<b>Conclusion</b>	This use case concludes when the user's profile is updated.	
<b>Post condition</b>	The system updates user's profile to include the newly built CV.	



Build & Update

All highlighted fields are required

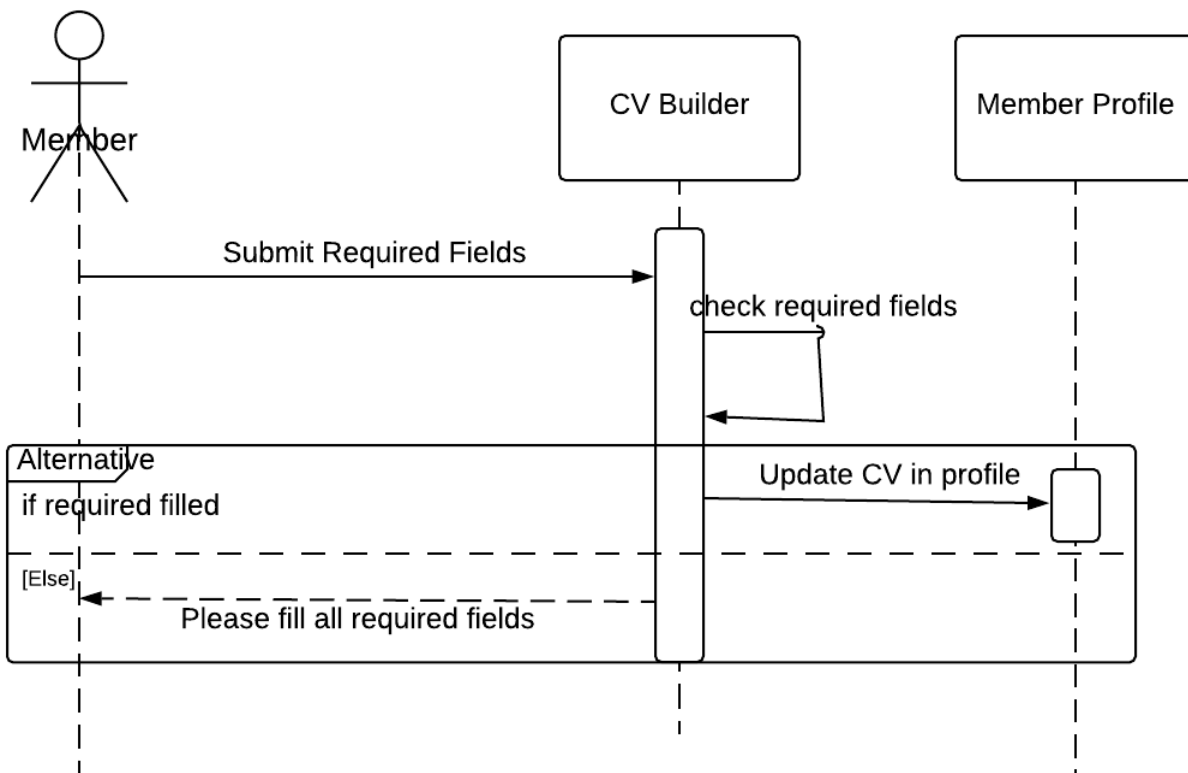
First Name:  Last Name:  Experience :

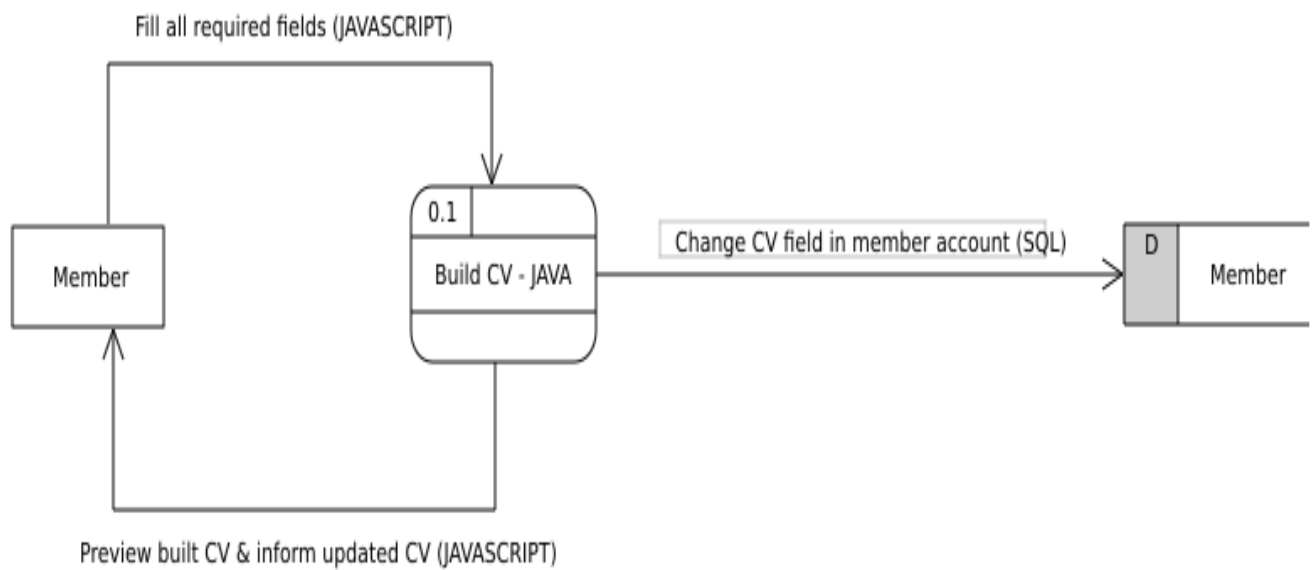
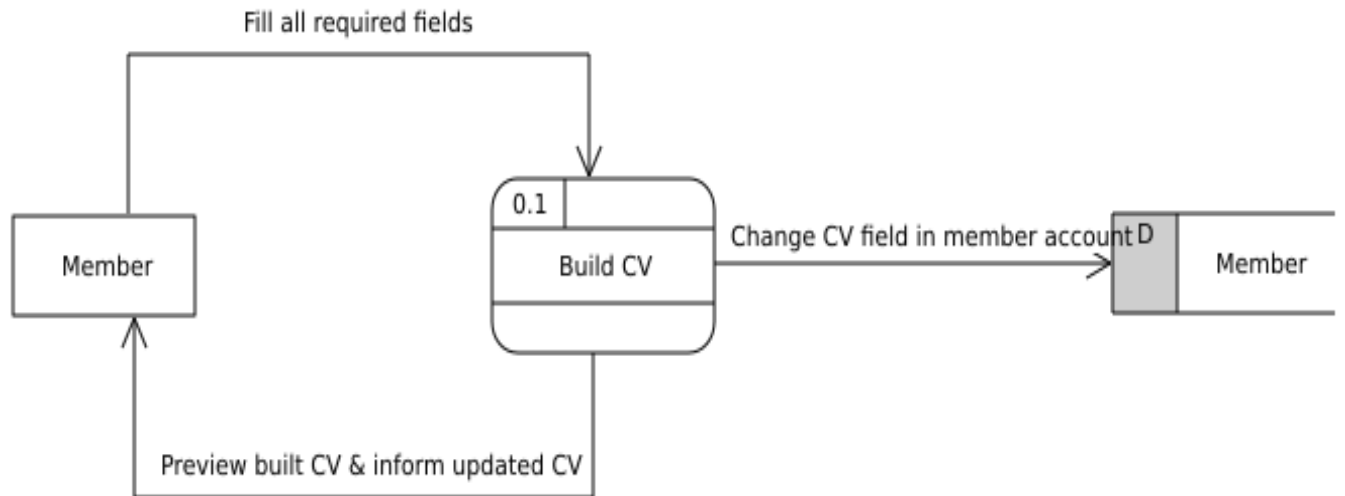
Education level:

Skills:    Language(s):

Last Employment Date :

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## Use-Case Apply for Job

<b>Use-Case Name</b>	Apply for Job	
<b>Use-Case ID</b>	UC8	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Member	
<b>Description</b>	If the member finds a job appealing, she/he can initiate this use case in order to apply for the job by clicking “Apply Now” button.	
<b>Precondition</b>	The user is a member of the system.	
<b>Trigger</b>	This use case is initiated when the user clicks on “Apply Now” on a job offering.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The user clicks on “Apply Now” on a job offering.	<b>Step 2:</b> The system checks that the user has not already applied to that job. <b>Step 3:</b> The system adds the application to the administrator’s list of applications. <b>Step 4:</b> The system adds the job application to the member’s list of applications. <b>Step 5:</b> The system informs the user that “Job application has been sent successfully”.
<b>Alternate Courses</b>	<b>Alt-Step 2:</b> The user has already applied to this job and the system displays a message “You have already applied to this job.” to the user. No applications are sent to administrator.	
<b>Conclusion</b>	This use case concludes when a message is displayed to the user.	
<b>Post condition</b>	A job application is sent and added to member’s list of applications.	



Search Jobs by job name

Data Scientist

Lorem ipsum dolor sit amet,  
consectetur adipiscing elit,  
sed do eiusmod tempor  
incididunt ut labore et dolore

Apply Now

Systems Analyst

Lorem ipsum dolor sit amet,  
consectetur adipiscing elit,  
sed do eiusmod tempor  
incididunt ut labore et dolore

Apply Now

Web Developer

Lorem ipsum dolor sit amet,  
consectetur adipiscing elit,  
sed do eiusmod tempor  
incididunt ut labore et dolore

Apply Now

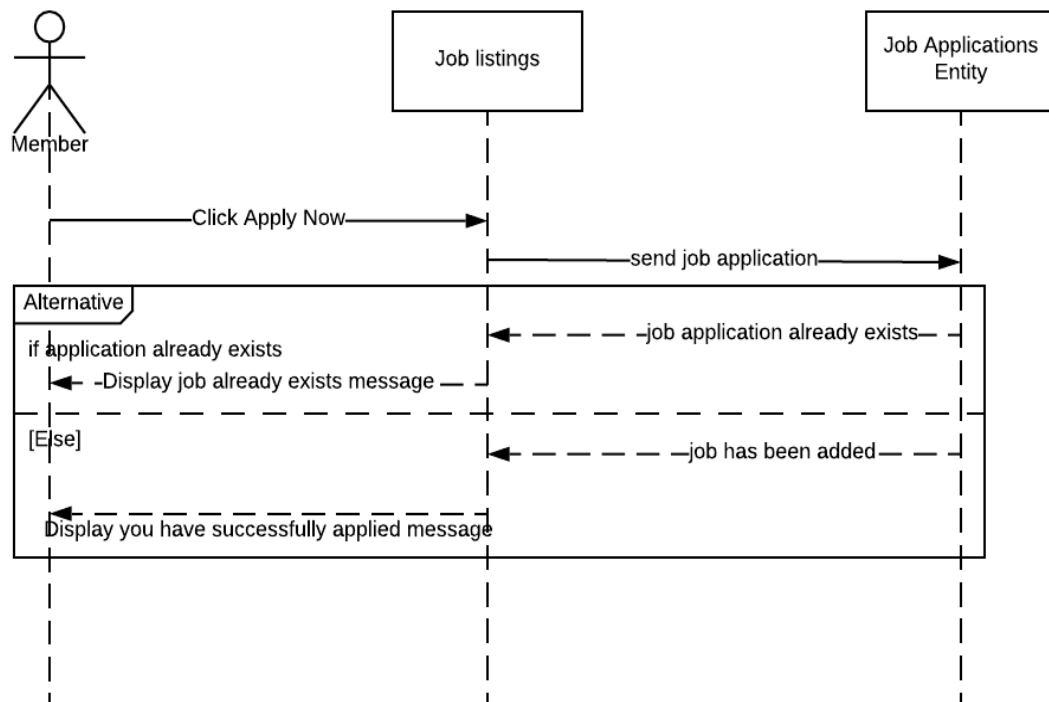
Graphic Designer

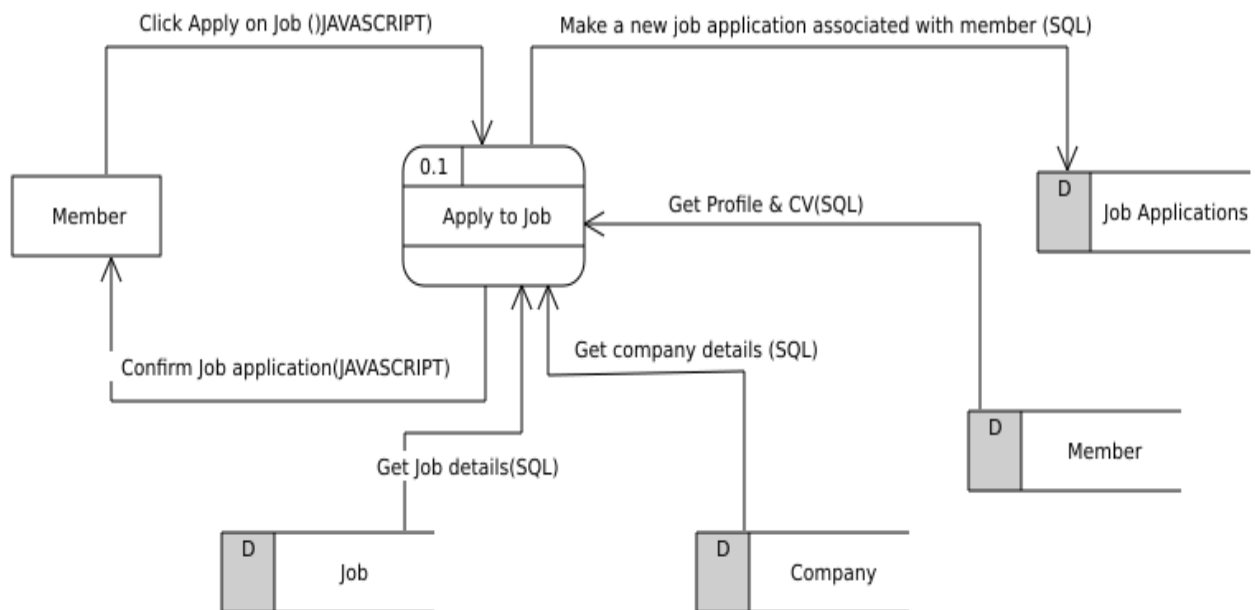
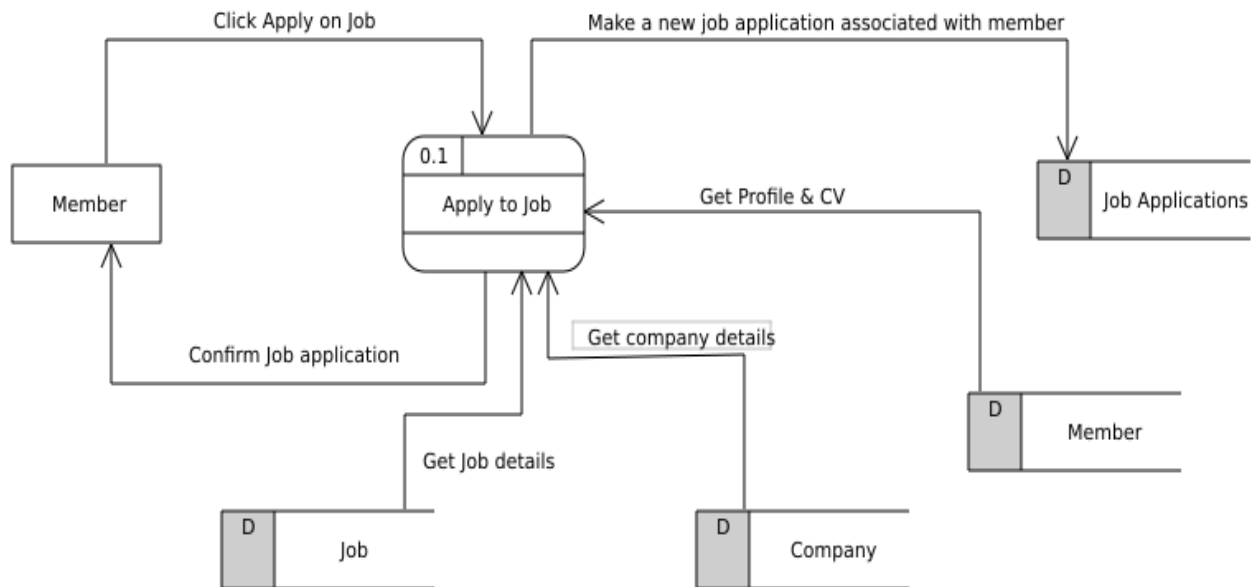
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consectetur adipiscing elit,  
sed do eiusmod tempor  
incididunt ut labore et dolore

Apply Now

see all

Copyright 2019








## Use-Case View Notifications

<b>Use-Case Name</b>	View Notifications	
<b>Use-Case ID</b>	UC10	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Member	
<b>Description</b>	A system member and utilize this use case to view her/his notifications. Notifications are usually acceptances or rejections from companies. Or messages from the system administrator.	
<b>Precondition</b>	The user is a member of the system.	
<b>Trigger</b>	This use case is initiated when the user clicks on View Notifications button.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The user clicks on “View Notifications” from navigation bar.	<b>Step 2:</b> The system displays the member’s list of notifications.
<b>Alternate Courses</b>	<b>Alt-Step 2:</b> The user has an empty list of notifications and the system displays “You have no notifications” message.	
<b>Conclusion</b>	This use case concludes when the system displays list of notifications / or message.	
<b>Post condition</b>	List of notifications is displayed.	

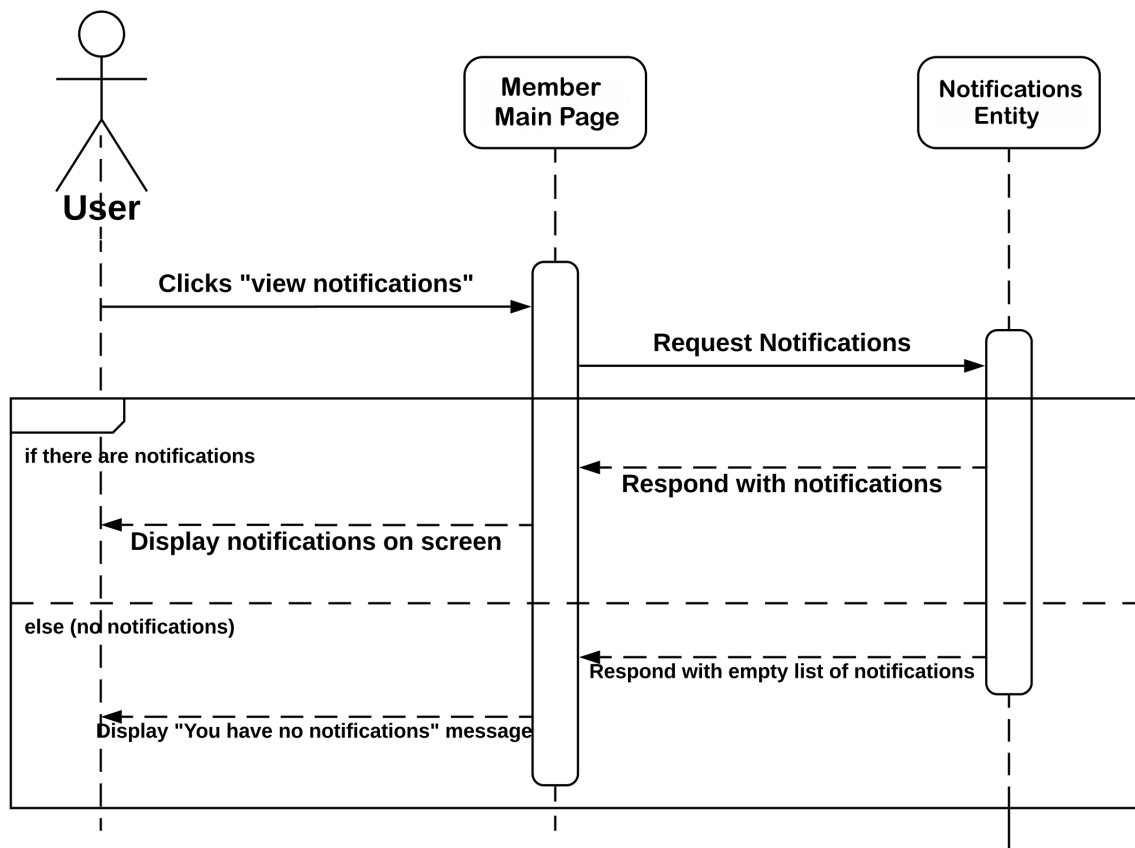
## Notifications

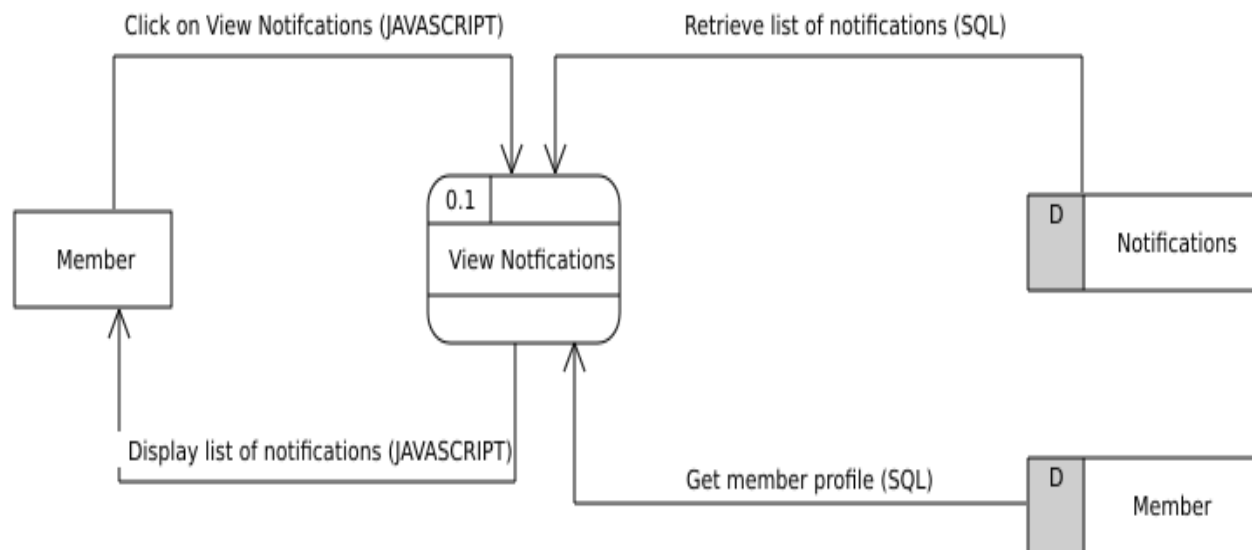
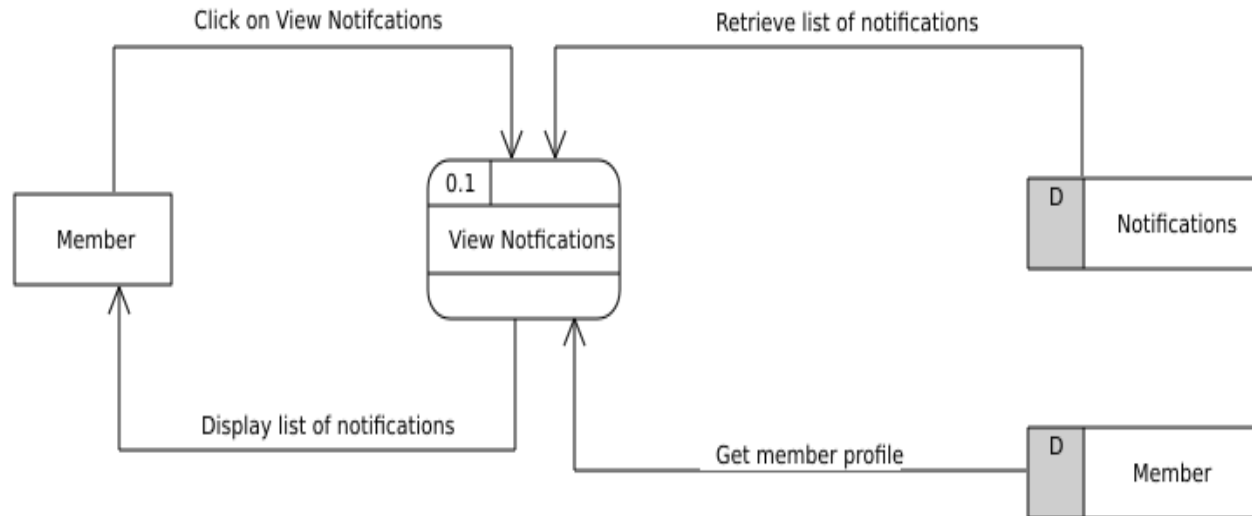
 Congratulations. You have been accepted to Lorem Ipsum Job.

 Unfortunately. You have not been accepted to Lorem Ipsum Job.

You have reached the end of notifications list

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## Use-Case View Applications

<b>Use-Case Name</b>	View Applications	
<b>Use-Case ID</b>	UC11	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Member	
<b>Description</b>	This use case will allow the member to view all applications of jobs she/he has applied to.	
<b>Precondition</b>	The user has applied to a job before.	
<b>Trigger</b>	This use case is initiated when the user clicks on View Applications button.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The user clicks on “View Applications” from navigation bar.	<b>Step 2:</b> The system displays the member’s list of job applications.
<b>Alternate Courses</b>	<b>Alt-Step 2:</b> The user has never applied to a job before and the system displays “You have no Job Applications to be displayed.” message.	
<b>Conclusion</b>	This use case concludes when the system displays list of applications / or message.	
<b>Post condition</b>	List of applications is displayed.	

## List of jobs applications

Data Scientist

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

Status: Accepted

Systems Analyst

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

Status: Rejected

Web Developer

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

Status: Pending

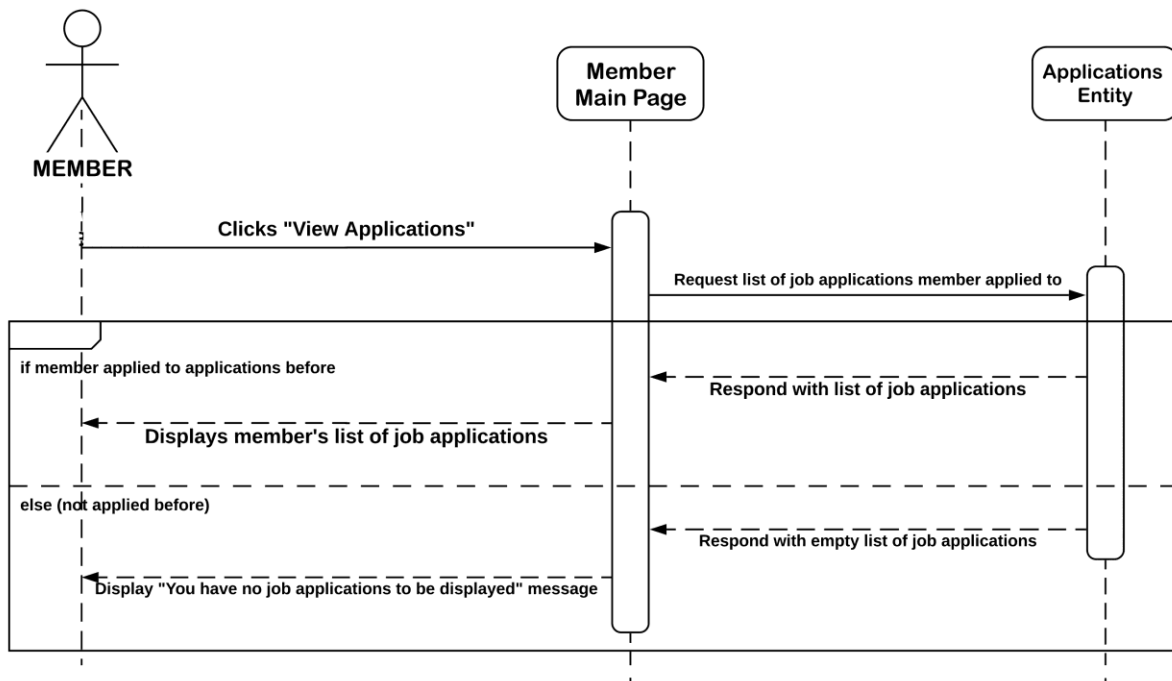
Graphic Designer

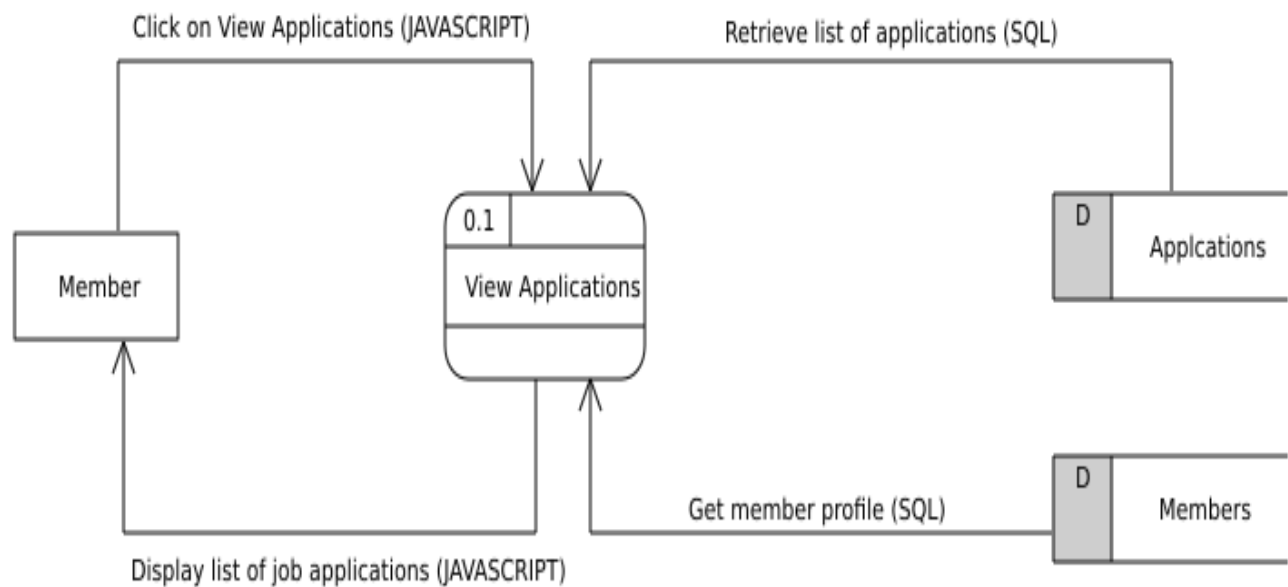
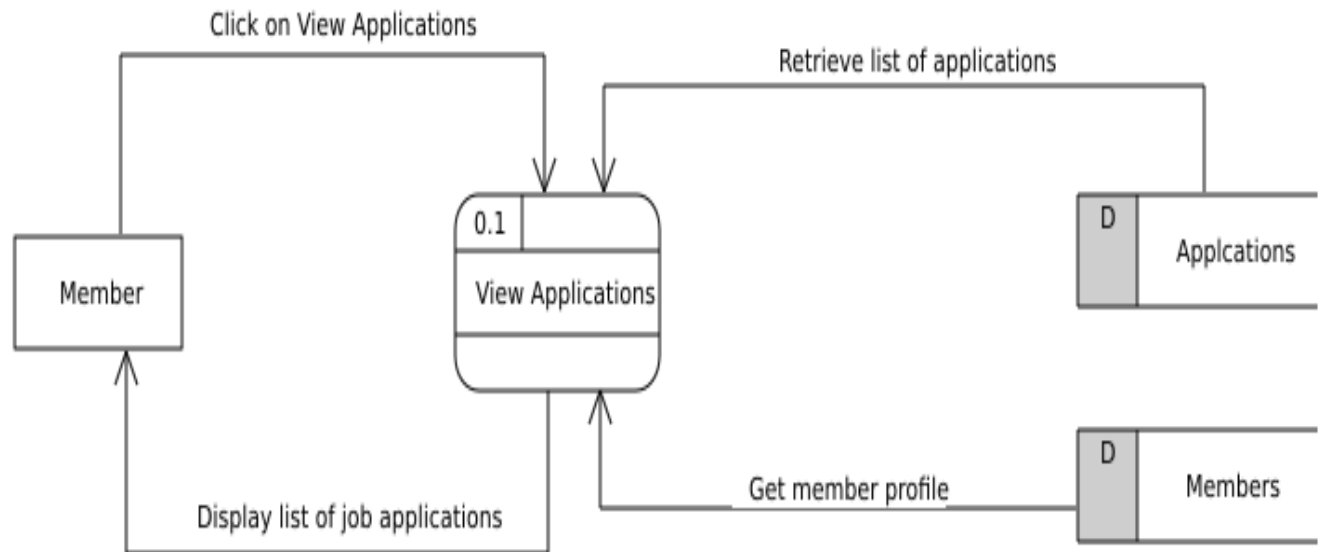
Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

Status: Pending

see all

Copyright 2019





## Use-Case Forgot Password

<b>Use-Case Name</b>	Forgot Password	
<b>Use-Case ID</b>	UC12	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Member	
<b>Description</b>	This use case will allow the member to request a password change in case she/he has forgotten the password to access their account.	
<b>Precondition</b>	The user is a system member.	
<b>Trigger</b>	This use case is initiated when the user clicks on Forgot Password button.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The user clicks on “Forgot Password” from Log in form. <b>Step 5:</b> The user accesses the reset password link sent by the system. <b>Step 6:</b> The user inputs new password and password confirmation in respective fields and submits form.	<b>Step 2:</b> The system prompts the user to input the e-mail associated with user account. <b>Step 3:</b> The system checks that the e-mail is associated with a member account. <b>Step 4:</b> The system sends a password re-activation link with “new password” and “confirm new password” fields to the user’s e-mail address valid for 10 minutes. <b>Step 7:</b> The system checks that the both fields match. <b>Step 8:</b> The system updates password for user’s account in database. <b>Step 9:</b> The system sends a “Password has been successfully changed” e-mail to user. <b>Step 10:</b> The system redirects user to Log in page.
<b>Alternate Courses</b>	<b>Alt-Step 3:</b> The user enters an unknown e-mail address and the system displays a message “This e-mail address is not associated with any account. Please enter a valid e-mail address.” <b>Alt-Step 5:</b> The user does not access the link sent by the system within 10 minutes and the link expires. <b>Alt-Step 7:</b> The user entered different password in the two fields and the system displays “Passwords do not match” message.	
<b>Conclusion</b>	This use case concludes when the system updates user’s password in database and the user is redirected to log in page.	
<b>Post condition</b>	The member user now has a new password to access her/his account.	

## FORGOT YOUR PASSWORD ?

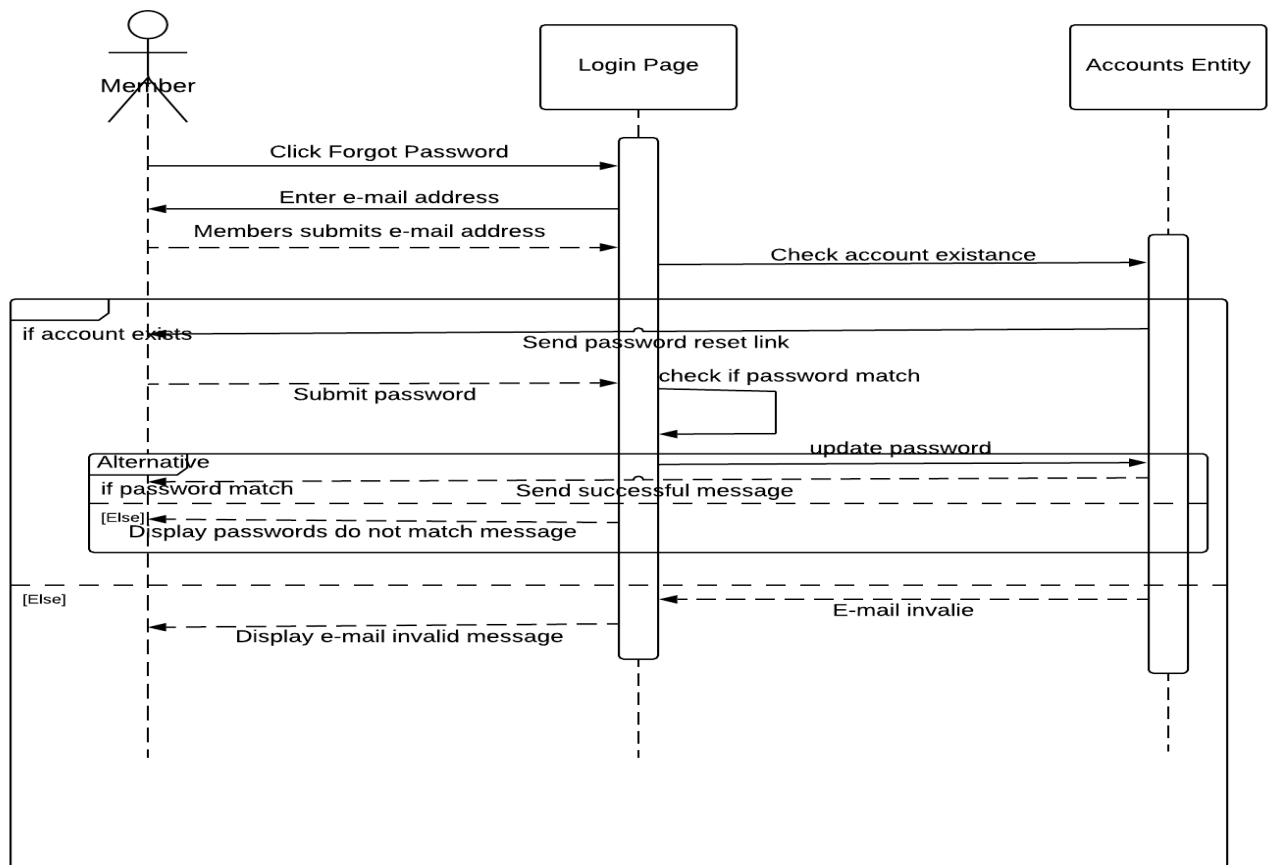
Please enter your e-mail address :

johndoe@example.com

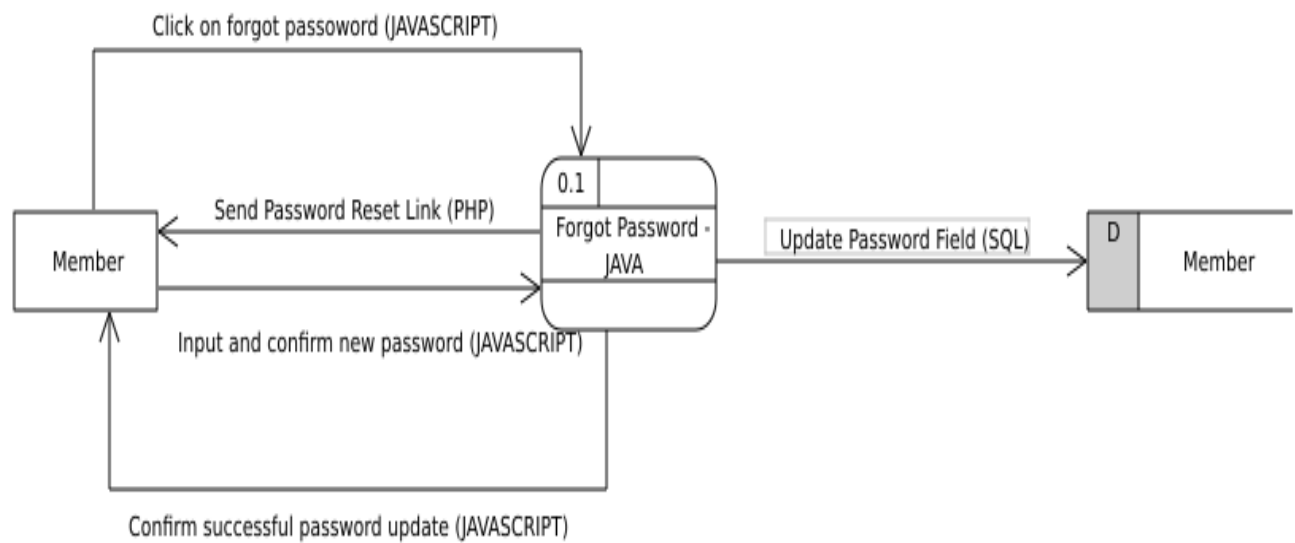
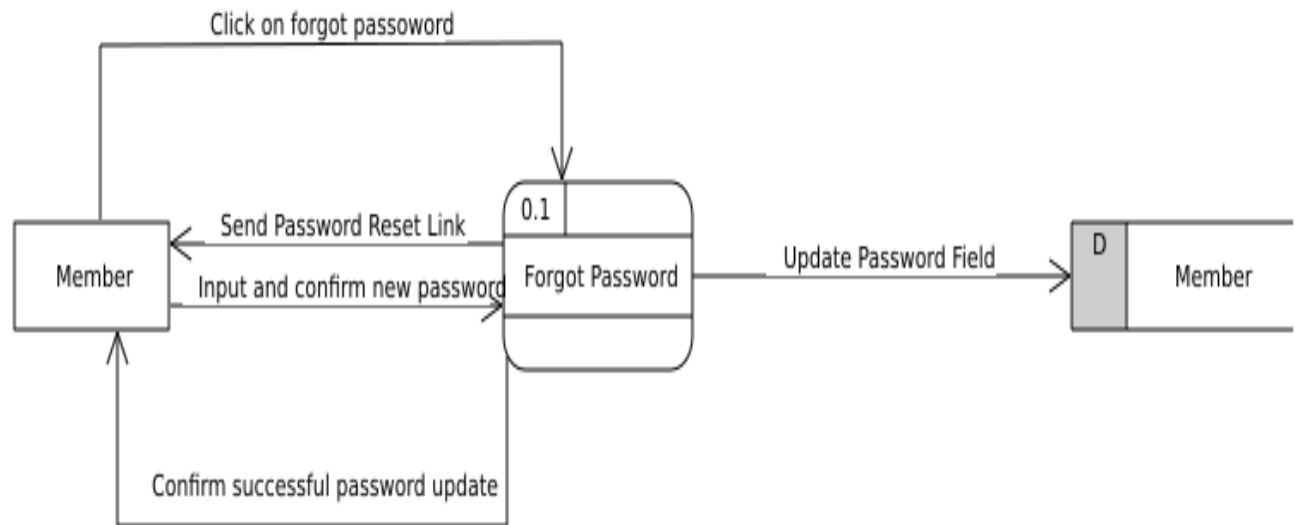
Confirm e-mail address:

johndoe@example.com

Submit

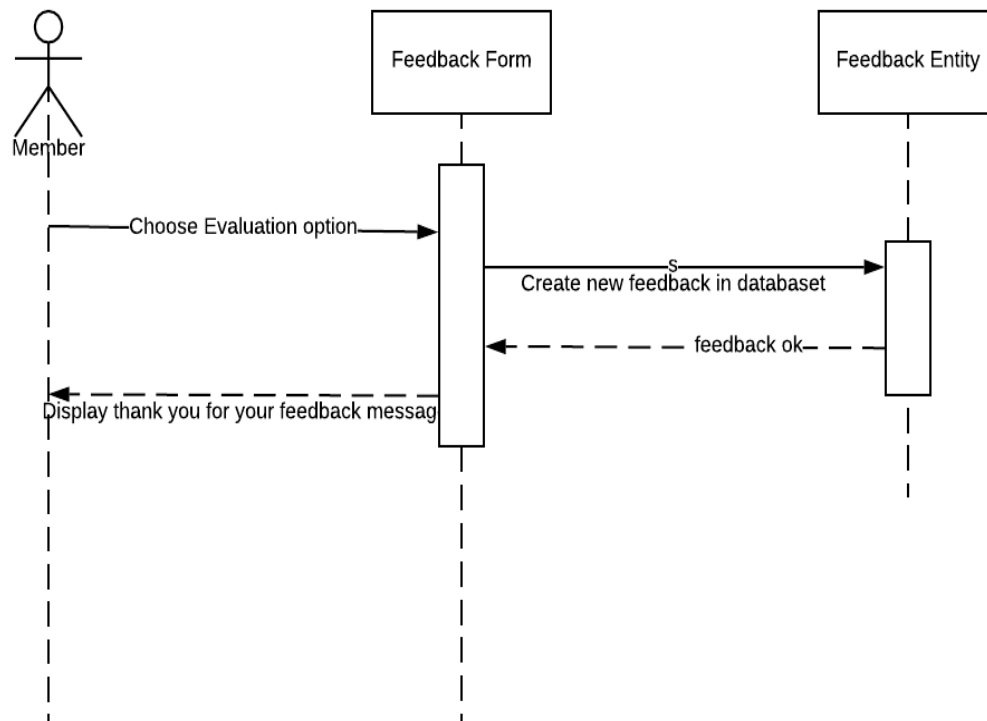
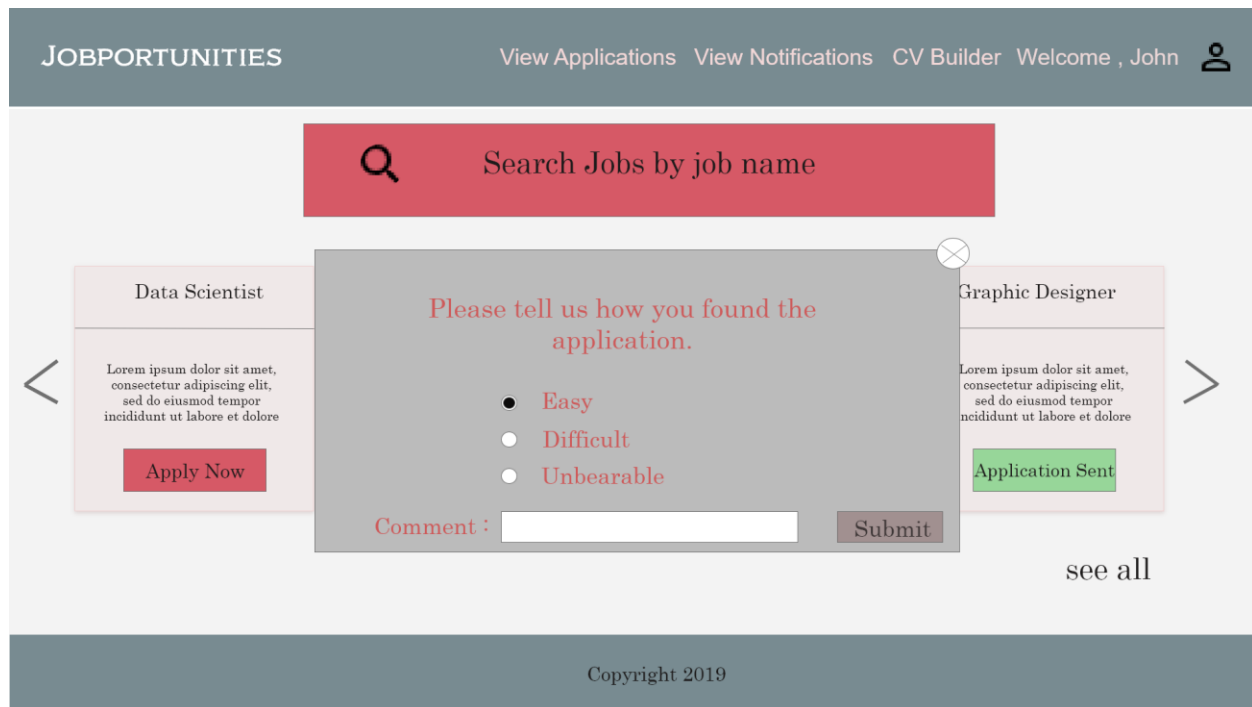


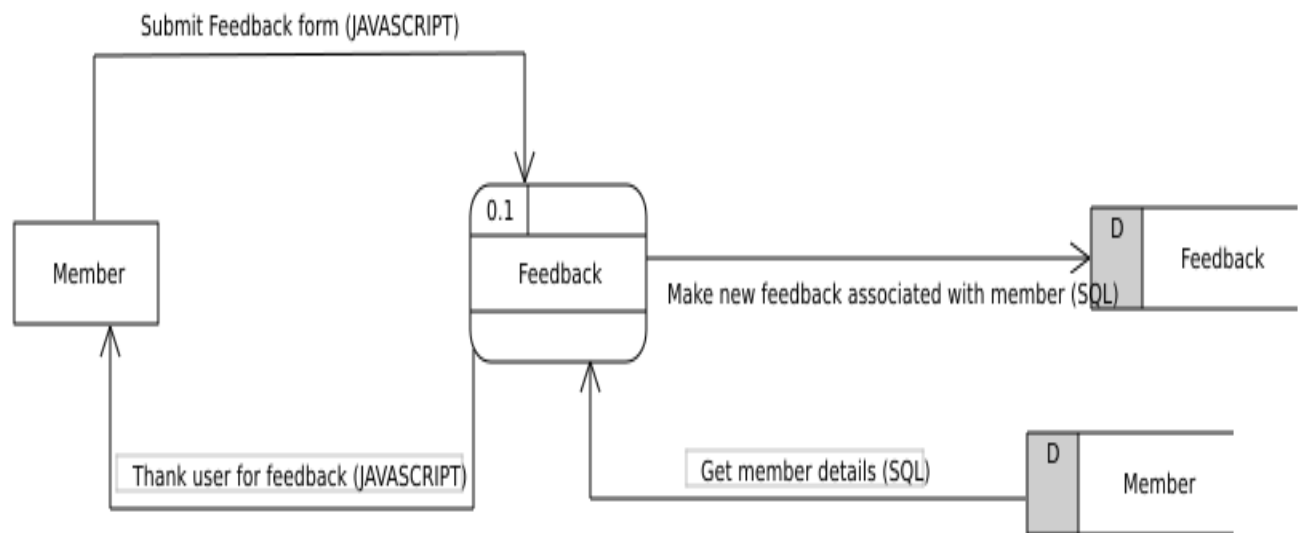
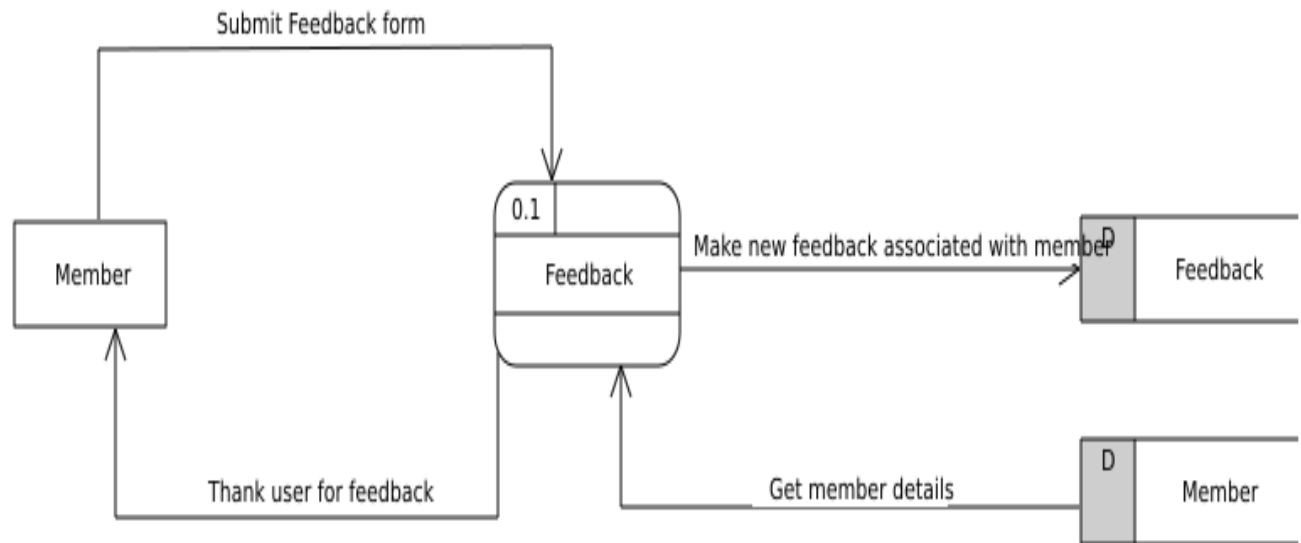




## Use-Case Feedback

<b>Use-Case Name</b>	Feedback	
<b>Use-Case ID</b>	UC13	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Member	
<b>Description</b>	After having applied to a job, the member will be able to give her/his feedback on the website and/or the application process.	
<b>Precondition</b>	The user has just completed “Apply for Job” use case.	
<b>Trigger</b>	This use case is initiated when the user successfully applies for a job.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 2:</b> The user chooses an evaluation option and types and optional comment. <b>Step 3:</b> The user presses submit.	<b>Step 1:</b> The system displays an optional feedback form. <b>Step 4:</b> The system verifies that required fields have been filled. <b>Step 5:</b> The system sends feedback information to database. <b>Step 6:</b> The system displays a “Thank you for rating us” message to user and closes the form.
<b>Alternate Courses</b>	<b>Alt-Step 2:</b> The user closes the form and the use case ends. <b>Alt-Step 4:</b> The user has not chosen an option and system prompts user to fill required fields.	
<b>Conclusion</b>	This use case concludes when the feedback form closes.	
<b>Post condition</b>	User feedback has been updated in database.	





## Use-Case Add Company

<b>Use-Case Name</b>	Add Company	
<b>Use-Case ID</b>	UC15	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Administrator	
<b>Description</b>	This use case allows the administrator of the system to add a company.	
<b>Precondition</b>	The user is a system administrator.	
<b>Trigger</b>	This use case is initiated when the admin fills required form and clicks “Add company”.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The admin chooses Add company from navigation bar. <b>Step 2:</b> The admin fills required information about company and submits.	<b>Step 3:</b> The system verifies that all required fields have been filled. <b>Step 4:</b> The system verifies that the company has not been added before. <b>Step 5:</b> The system adds company to database. <b>Step 6:</b> The system displays “Company has been successfully added” message to admin.
<b>Alternate Courses</b>	<b>Alt-Step 3:</b> The admin has not filled all required fields therefore the system highlights the fields and prompts admin to fill them. <b>Alt-Step 4;</b> The admin has already added this company before and the system informs admin that the company is already found in database.	
<b>Conclusion</b>	This use case concludes when the system adds a new company to the database.	
<b>Post condition</b>	A new company is added to list of companies.	

High-tech

Location : Italy

Remove Company

Add Job

Data Scientist

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Remove Job

Add company

Name :

Location :

Type :

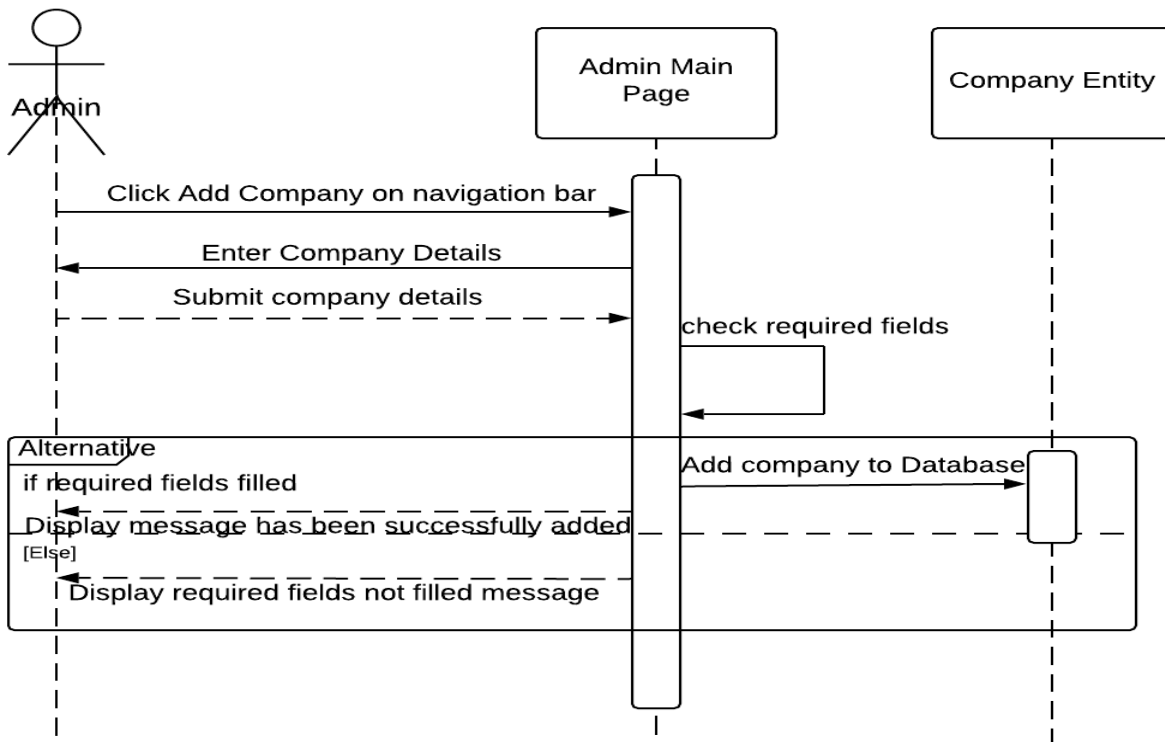
Year Founded :

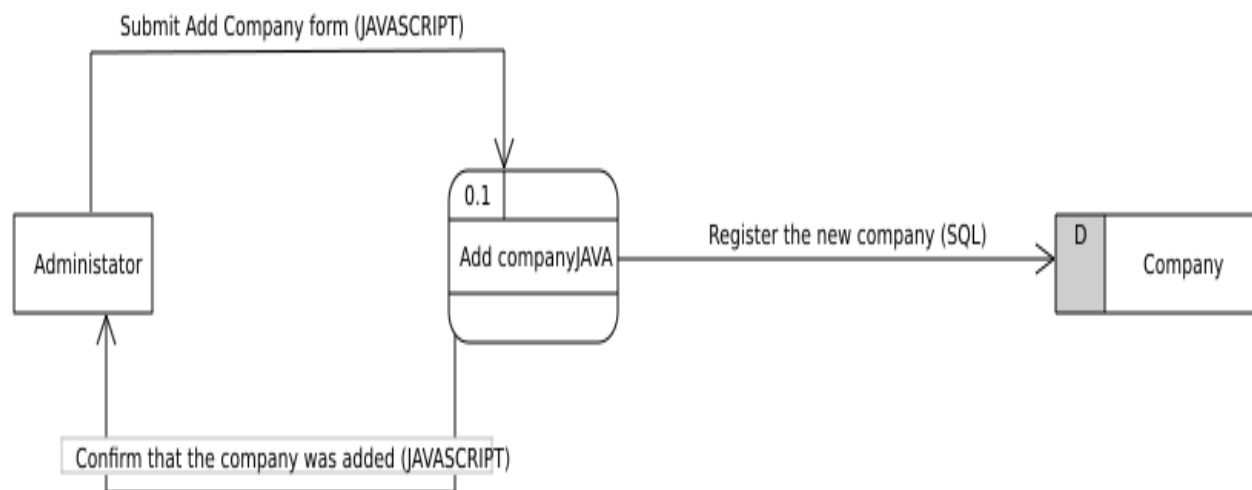
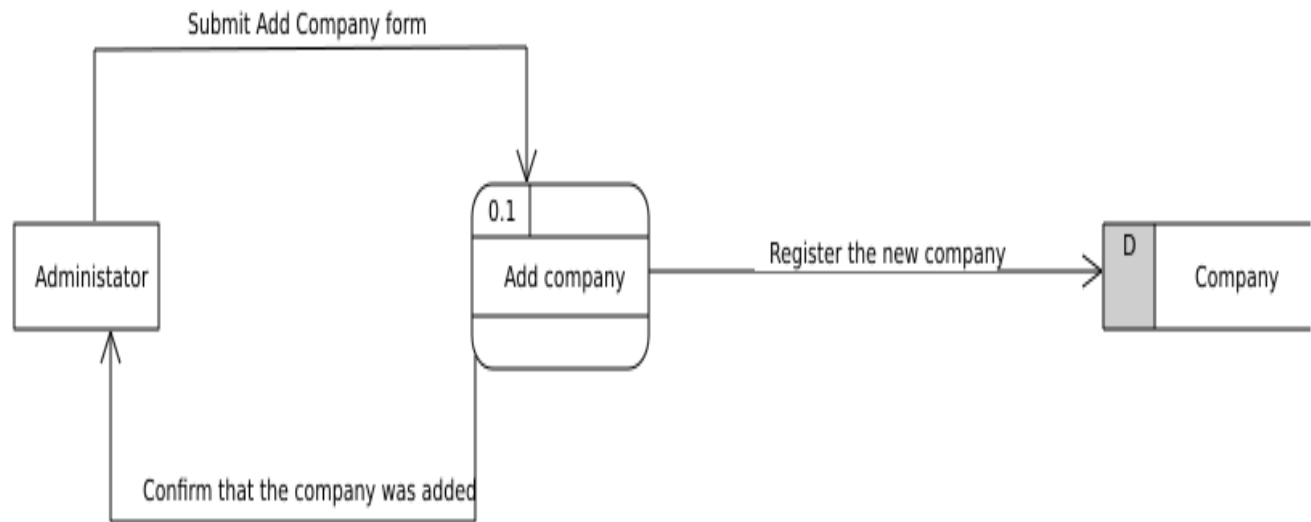
Add

Graphic Designer

Lorem ipsum dolor sit amet,  
 consectetur adipiscing elit,  
 sed do eiusmod tempor  
 incididunt ut labore et dolore

Remove Job

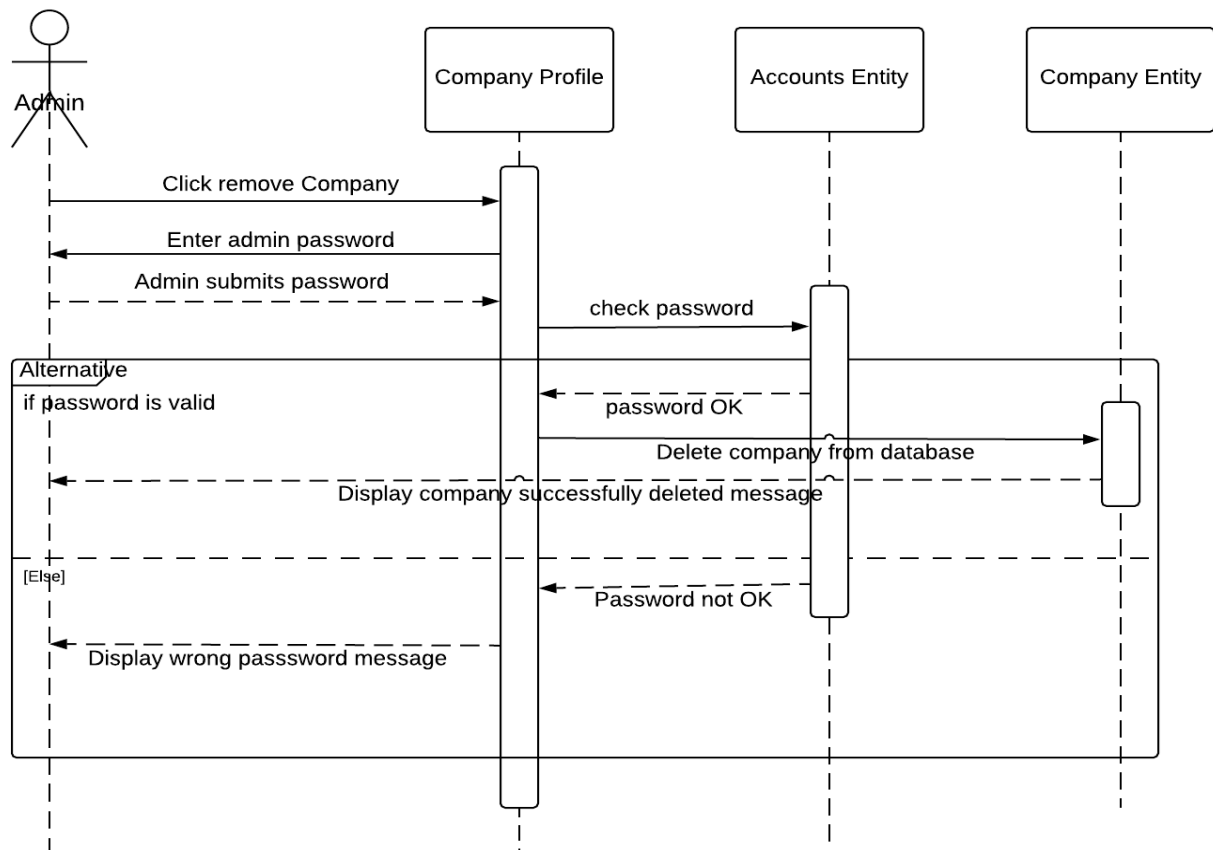
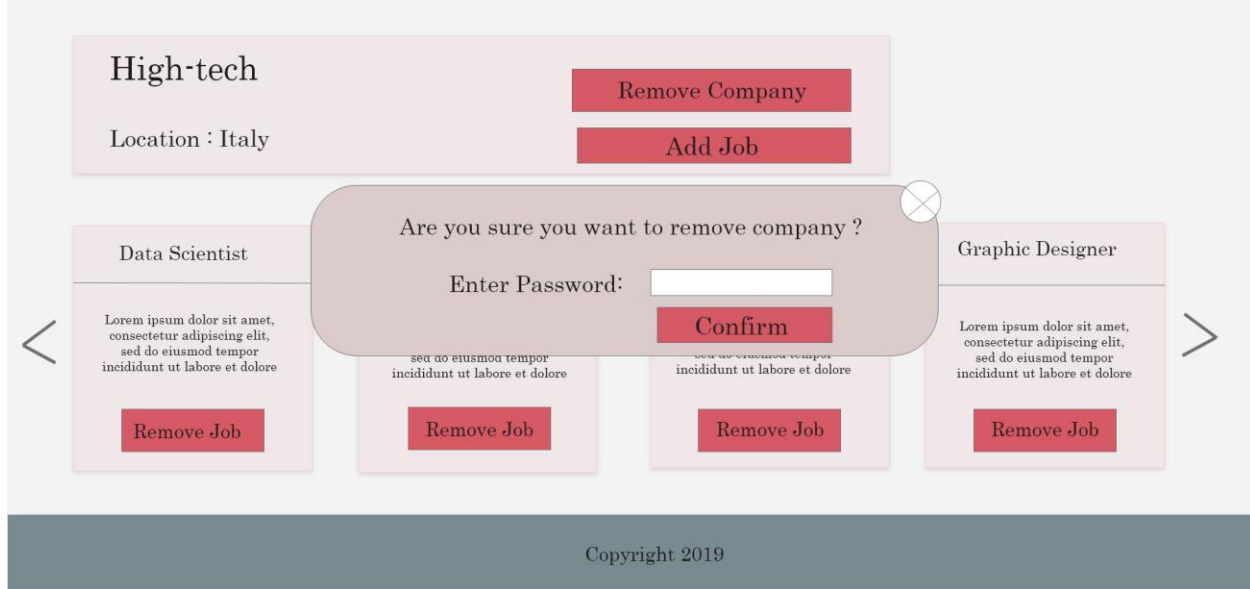


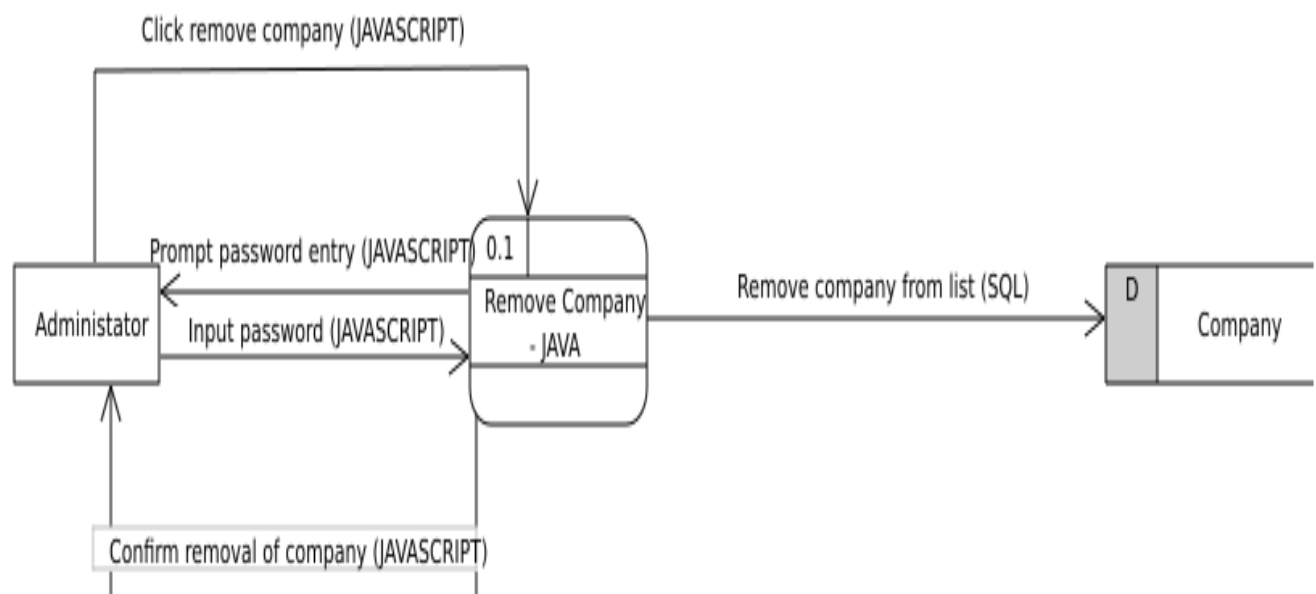
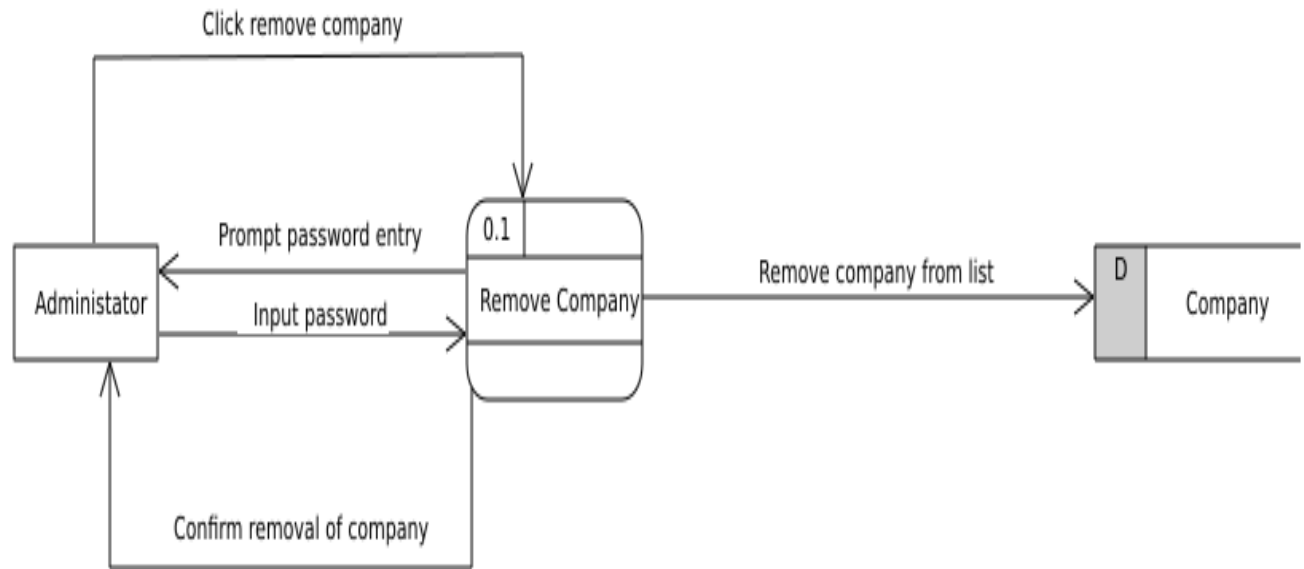


### Use-Case Remove Company

<b>Use-Case Name</b>	Remove Company	
<b>Use-Case ID</b>	UC16	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Administrator	
<b>Description</b>	This use case allows the administrator of the system to remove a company.	
<b>Precondition</b>	The user is a system administrator.	
<b>Trigger</b>	This use case is initiated when the admin clicks remove company from companies' profile.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The admin clicks remove company on a company's profile.	<b>Step 2:</b> The system asks the admin to enter her/his password to ensure that it was not a mistake. <b>Step 3:</b> The system checks password. <b>Step 4:</b> The system removes all jobs associated with company. <b>Step 6:</b> The system removes company and updates database.
<b>Alternate Courses</b>	<b>Alt-Step 3:</b> The admin has entered incorrect password and system informs admin with "Incorrect Password" message and prompts admin to reenter password.	
<b>Conclusion</b>	This use case concludes when the system removes a company from database.	
<b>Post condition</b>	All jobs associated with the removed company are no longer found in system.	







## Use-Case Add Job

<b>Use-Case Name</b>	Add Job	
<b>Use-Case ID</b>	UC17	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Administrator	
<b>Description</b>	This use case allows the administrator of the system to add a job for a certain company.	
<b>Precondition</b>	The user is a system administrator and is viewing a company's profile.	
<b>Trigger</b>	This use case is initiated when the admin fills job ID and clicks either Add or Remove.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The admin clicks add job above list of jobs. <b>Step 2:</b> The admin fills required fields.	<b>Step 3:</b> The system verifies that all required fields have been filled. <b>Step 4:</b> The system generates a unique ID number for the job. <b>Step 5:</b> The system adds job to database and updates list of jobs under company's profile. <b>Step 6:</b> The system displays "Job has been successfully added" message to admin.
<b>Alternate Courses</b>	<b>Alt-Step 3:</b> The admin has not filled all required fields therefore the system highlights the fields and prompts admin to fill them.	
<b>Conclusion</b>	This use case concludes when the system adds a new job to the database and refreshes list of jobs.	
<b>Post condition</b>	A new job is added to list of jobs.	

High-tech

Location : Italy

Remove Company

Add Job

Data Scientist

Lorem ipsum dolor sit amet,  
 consectetur adipiscing elit,  
 sed do eiusmod tempor  
 incididunt ut labore et dolore

Remove Job

ADD JOB

Job Name:

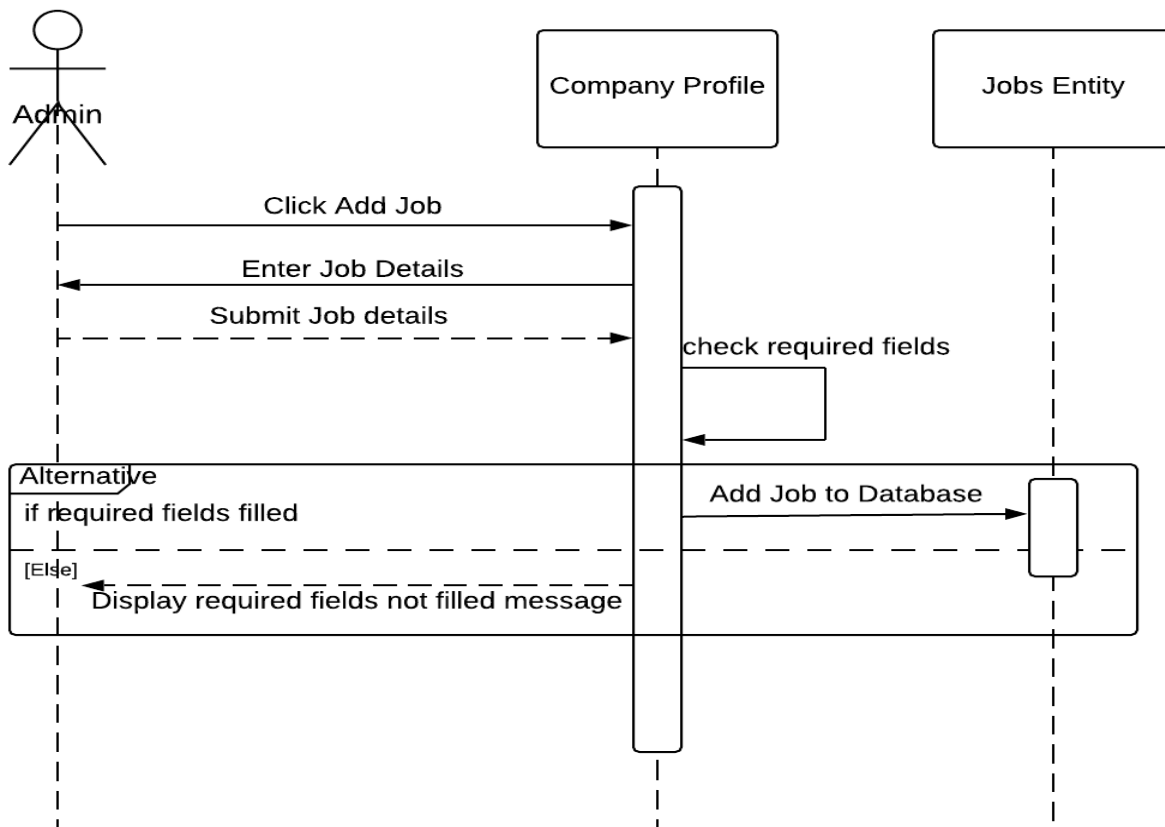
Description :

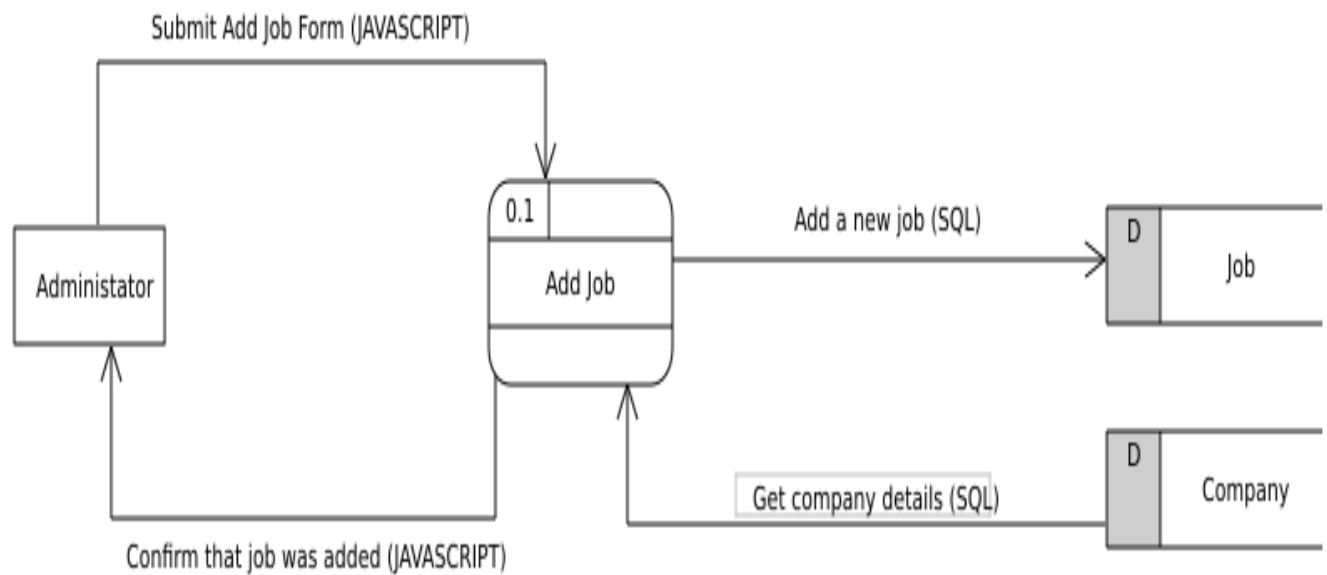
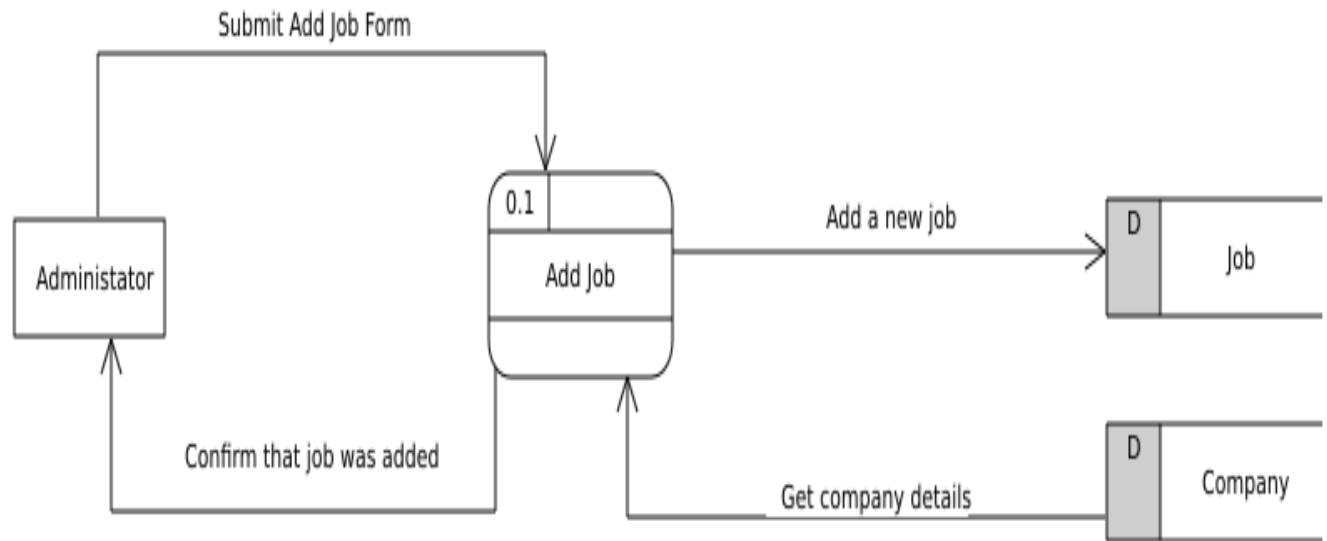
Add

Graphic Designer

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 consectetur adipiscing elit,  
 sed do eiusmod tempor  
 incididunt ut labore et dolore

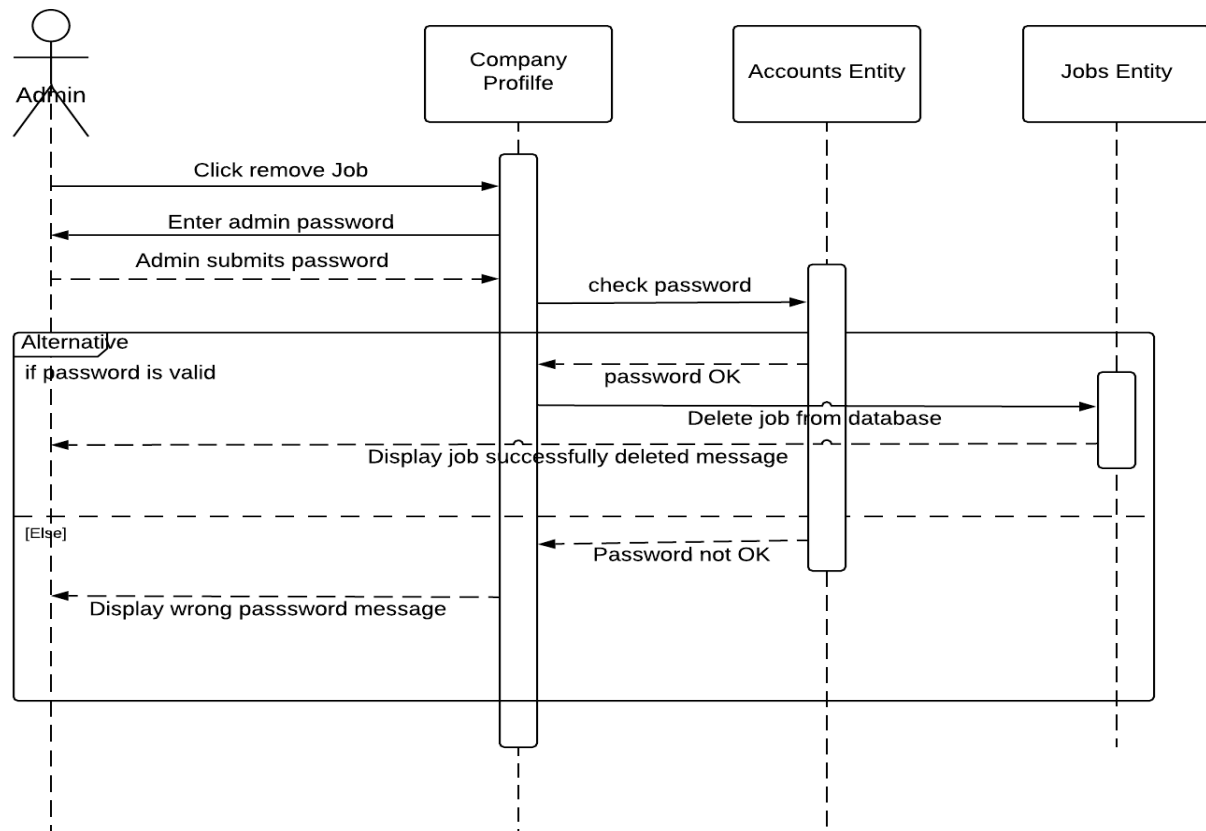
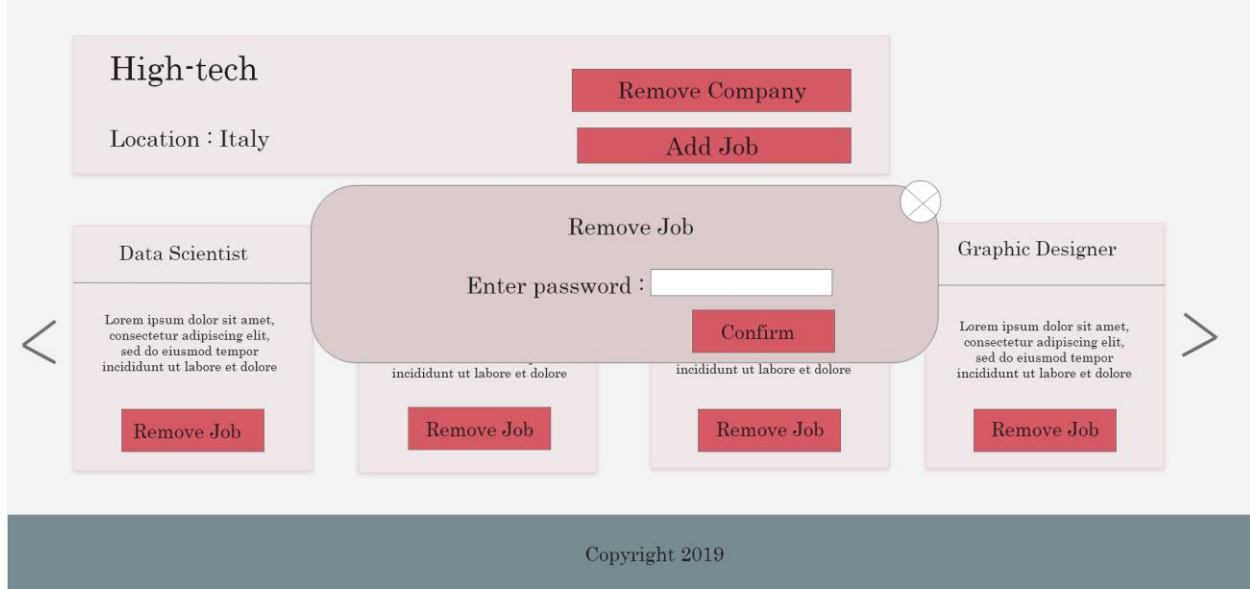
Remove Job

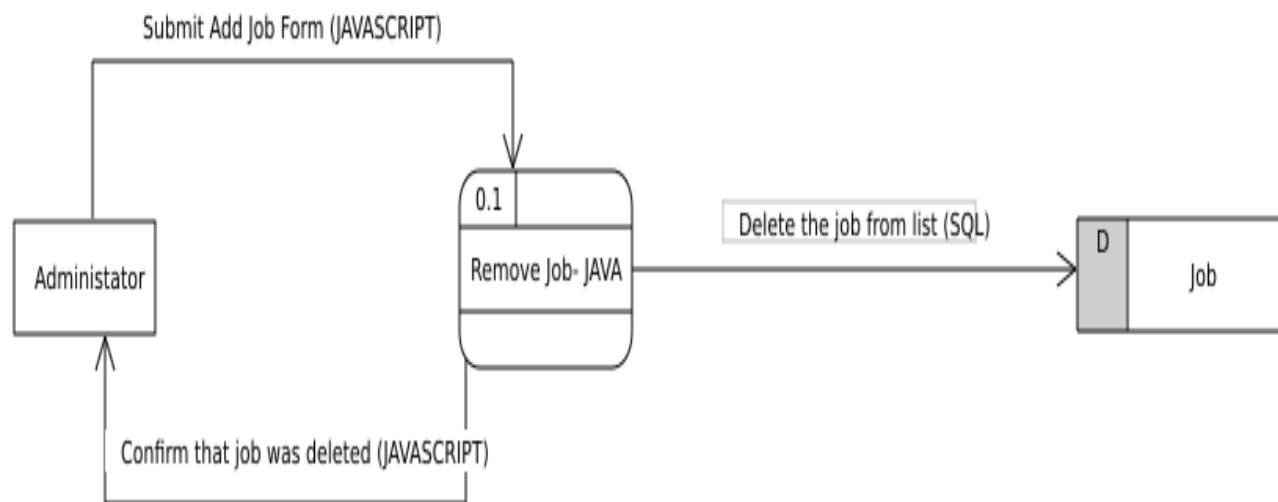
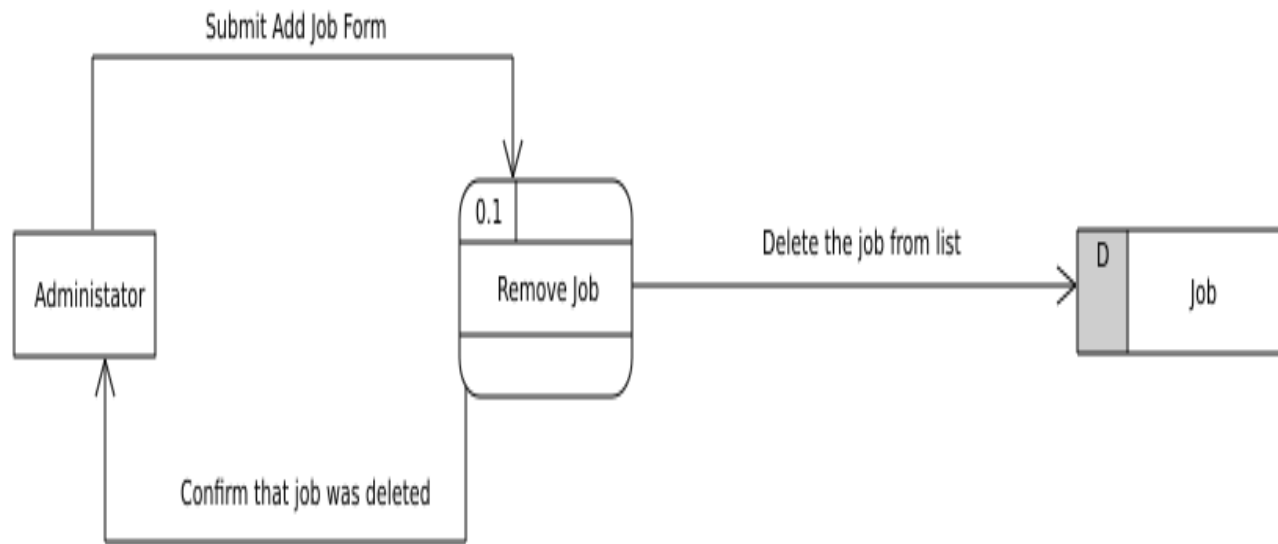




## Use-Case Remove Job

<b>Use-Case Name</b>	Remove Job	
<b>Use-Case ID</b>	UC18	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Administrator	
<b>Description</b>	The admin utilizes this use case to keep the job offerings updated by removing job offerings that are no longer available.	
<b>Precondition</b>	The user is a system administrator and is viewing a job.	
<b>Trigger</b>	This use case is initiated when the admin selects job from list of jobs and clicks remove job button.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The admin selects a job from the list of jobs. <b>Step 2:</b> The admin clicks Remove Job button.	<b>Step 3:</b> The system prompts admin to enter password. <b>Step 4:</b> The system verifies that the password entered is correct. <b>Step 5:</b> The system removes job from database and updates list of jobs. <b>Step 6:</b> The system displays “Job has been successfully removed” message to admin.
<b>Alternate Courses</b>	<b>Alt-Step 4:</b> The admin has entered an incorrect password therefore the system informs admin with “Incorrect Password” message.	
<b>Conclusion</b>	This use case concludes when the system removes a job to the database and refreshes list of jobs.	
<b>Post condition</b>	A job is removed from list of jobs.	







## Use-Case View & Forward Applications

<b>Use-Case Name</b>	View & Forward Applications	
<b>Use-Case ID</b>	UC19	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Administrator	
<b>Description</b>	This use case allows the admin to view applicants and forward the applications to the companies for evaluation.	
<b>Precondition</b>	The user is a system administrator and is logged in.	
<b>Trigger</b>	This use case is initiated when the admin clicks 'View Applications 'button from navigation bar.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The admin click 'View Applications 'button from navigation bar. <b>Step 3:</b> The admin selects jobs and clicks forward applications.	<b>Step 2:</b> The system displays list of not-forwarded job applications. <b>Step 4:</b> The system forwards job application which includes profile of member who applied, to the company via e-mail. <b>Step 5:</b> The system removes forwarded jobs from list. <b>Step 6:</b> The system displays "Job Applications has been successfully forwarded to companies" message to admin.
<b>Alternate Courses</b>		
<b>Conclusion</b>	This use case concludes when the job applications are forwarded and list is updated.	
<b>Post condition</b>	Forwarded job applications are cleared from list.	



John Doe | Data Science | Amazon



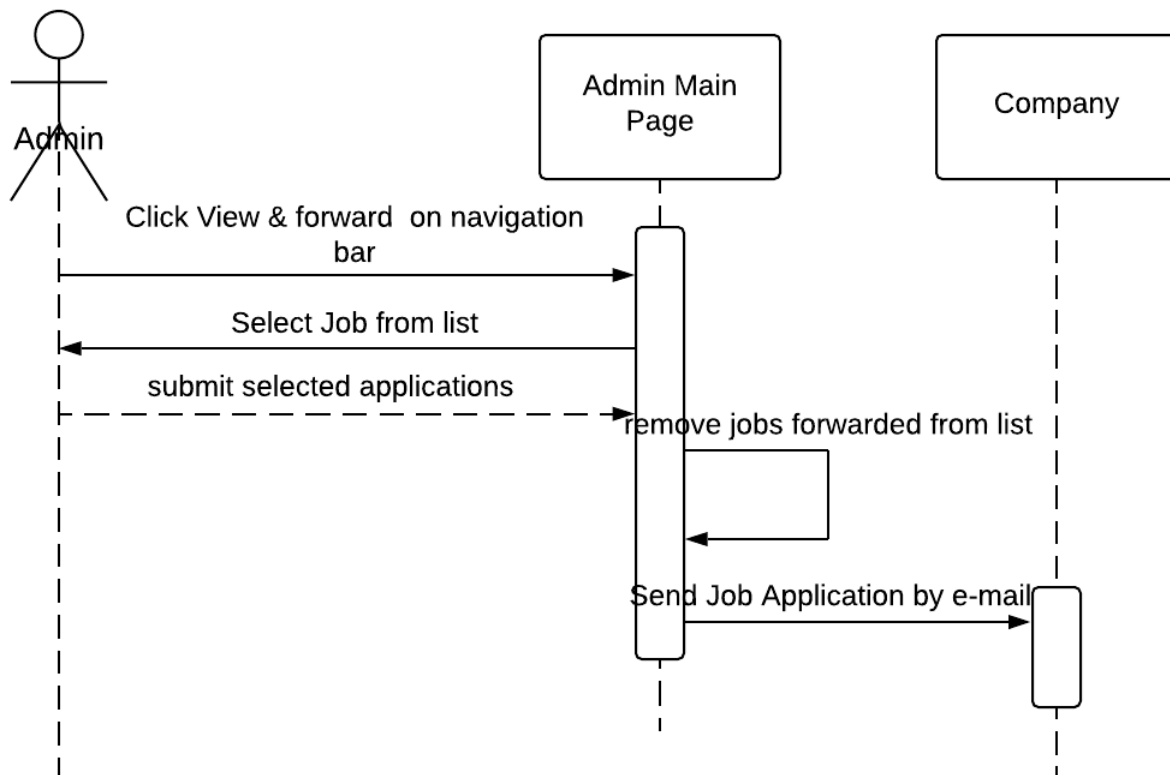
John Doe | Systems Analyst | Facebook

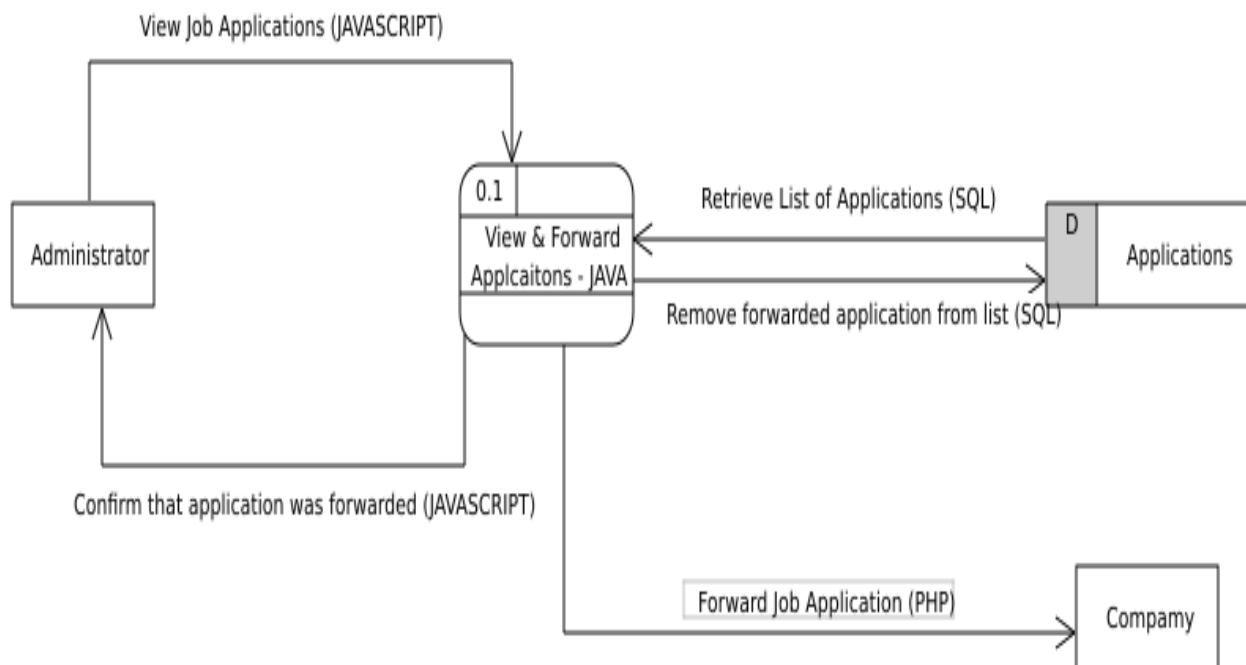
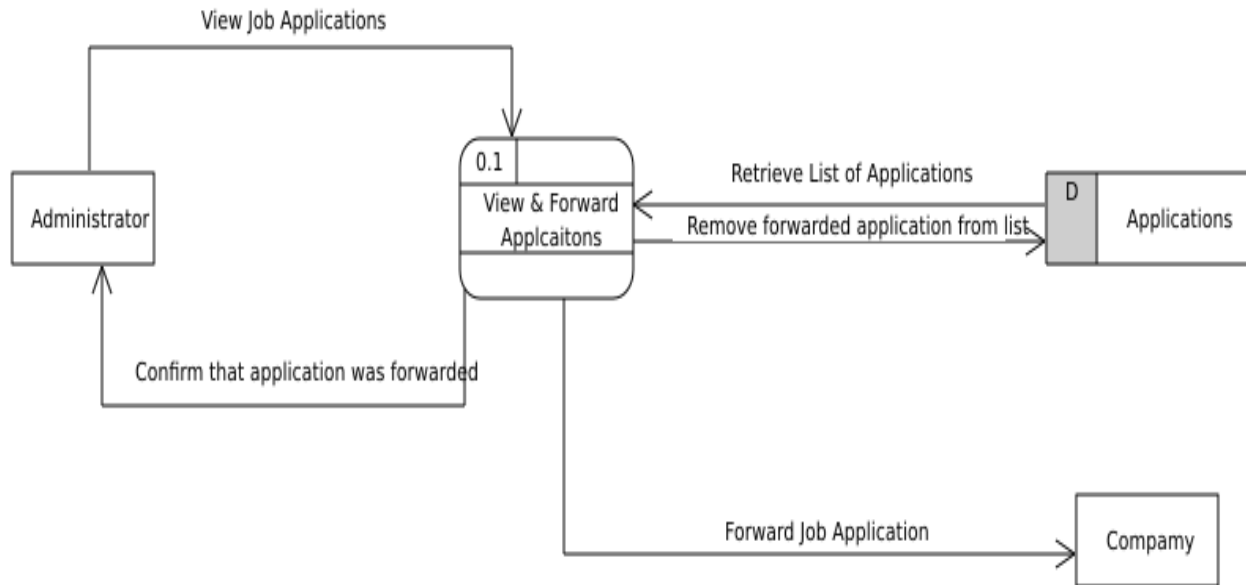


John Doe | Programmer | Tesla

Forward Applications

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## Use-Case Block User

<b>Use-Case Name</b>	Block User	
<b>Use-Case ID</b>	UC21	
<b>Priority</b>	High	
<b>Primary Business Actor(s)</b>	System Administrator	
<b>Description</b>	This use case gives the administrator the ability to block a specific user for inappropriate behavior and/or offensive material.	
<b>Precondition</b>	The user is a system administrator and is logged in.	
<b>Trigger</b>	This use case is initiated when the admin clicks 'Block This User' button from user's profile.	
<b>Typical Course of Events</b>	<b>Actor Action</b>	<b>System Response</b>
	<b>Step 1:</b> The admin clicks on user profile. <b>Step 2:</b> The admin clicks on 'Block This User' button. <b>Step 4:</b> Admin inputs password.	<b>Step 3:</b> The system prompts admin to enter password. <b>Step 5:</b> The system verifies that the password entered is correct. <b>Step 6:</b> The system changes blocked status of the user in database. <b>Step 8:</b> The system displays "User has been blocked successfully. "message to admin.
<b>Alternate Courses</b>	<b>Alt-Step 5:</b> The admin has entered an incorrect password therefore the system informs admin with "Incorrect Password" message.	
<b>Conclusion</b>	This use case concludes when the system informs the admin that the user has been blocked.	
<b>Post condition</b>	A user has been blocked and can no longer log in to the system.	

## User Profiles

John Doe

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

Block User

Block User

Enter Password : 

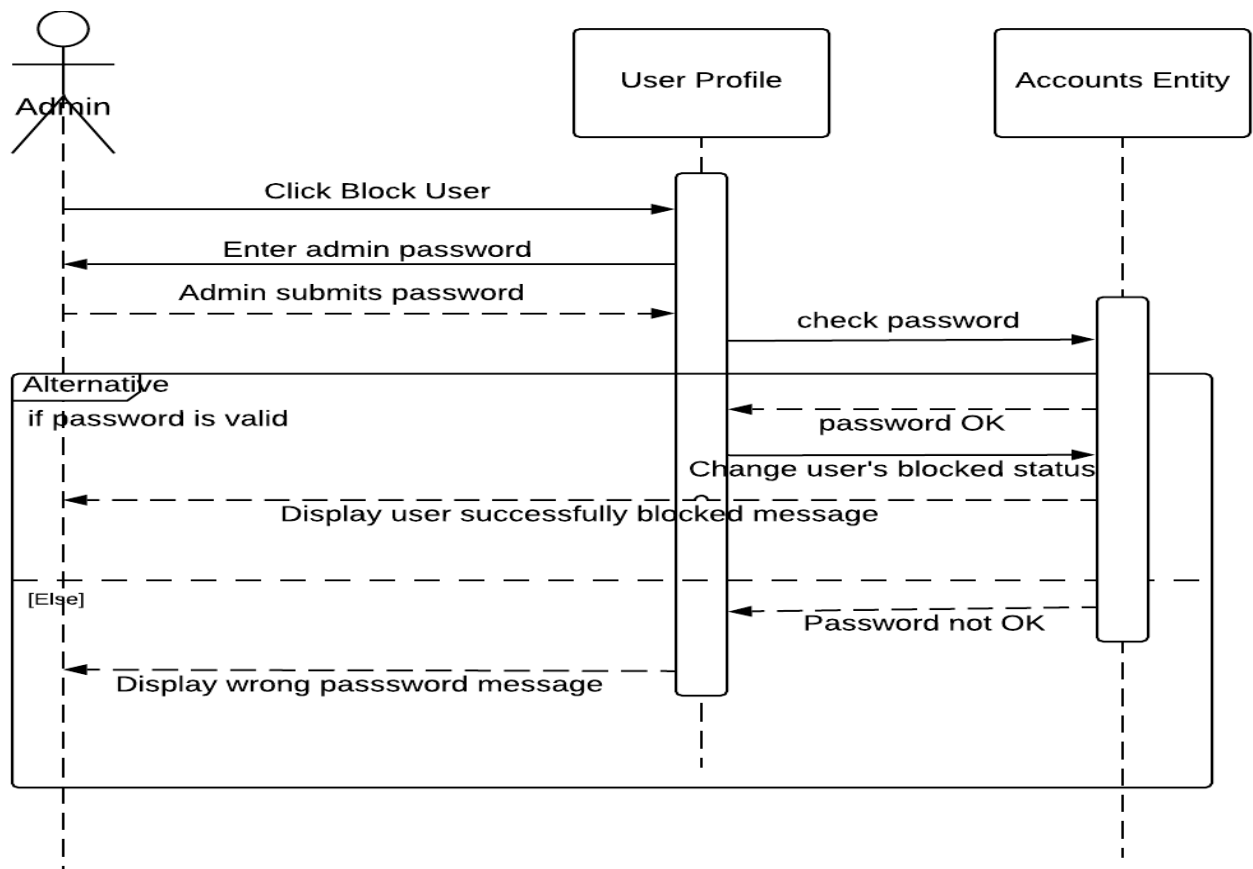
Confirm

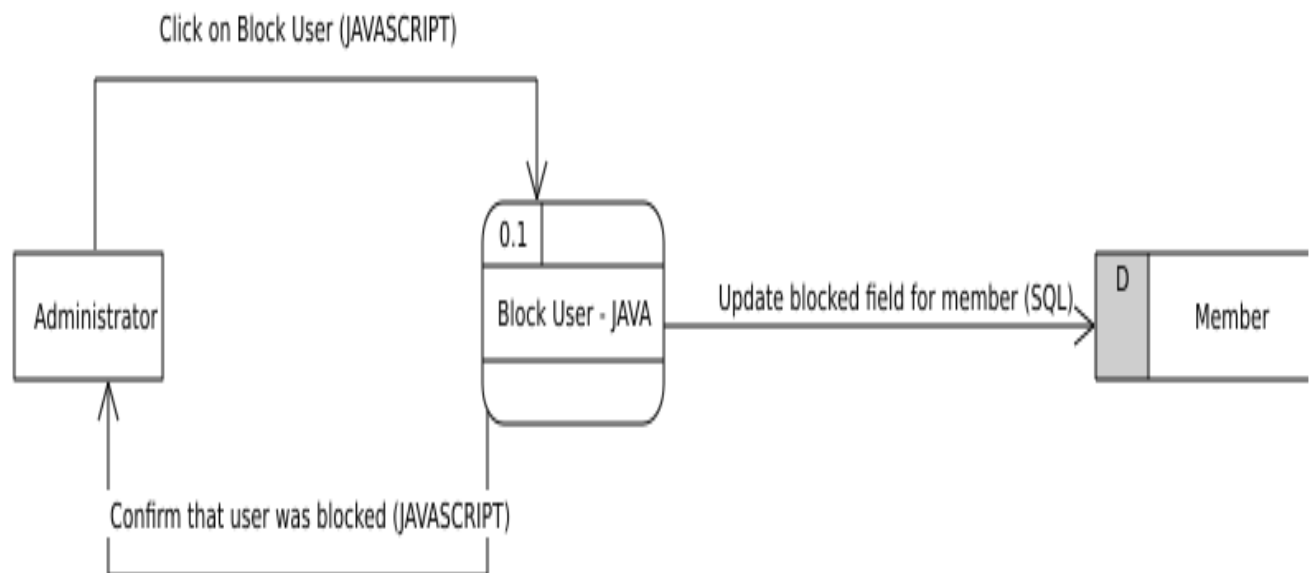
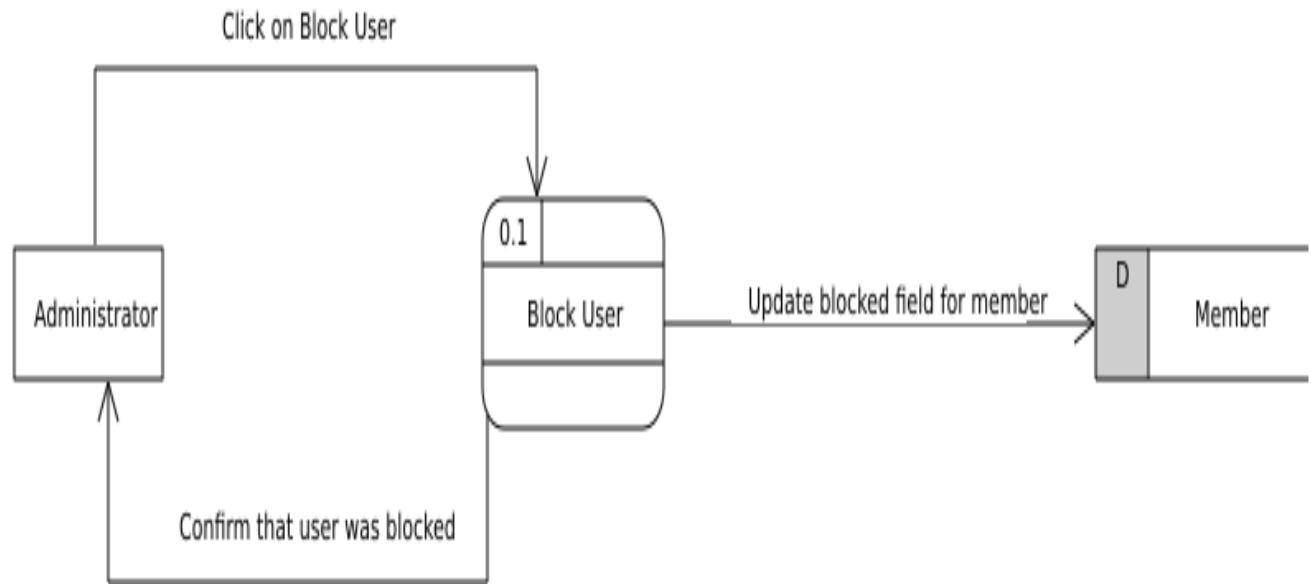
John Doe

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore

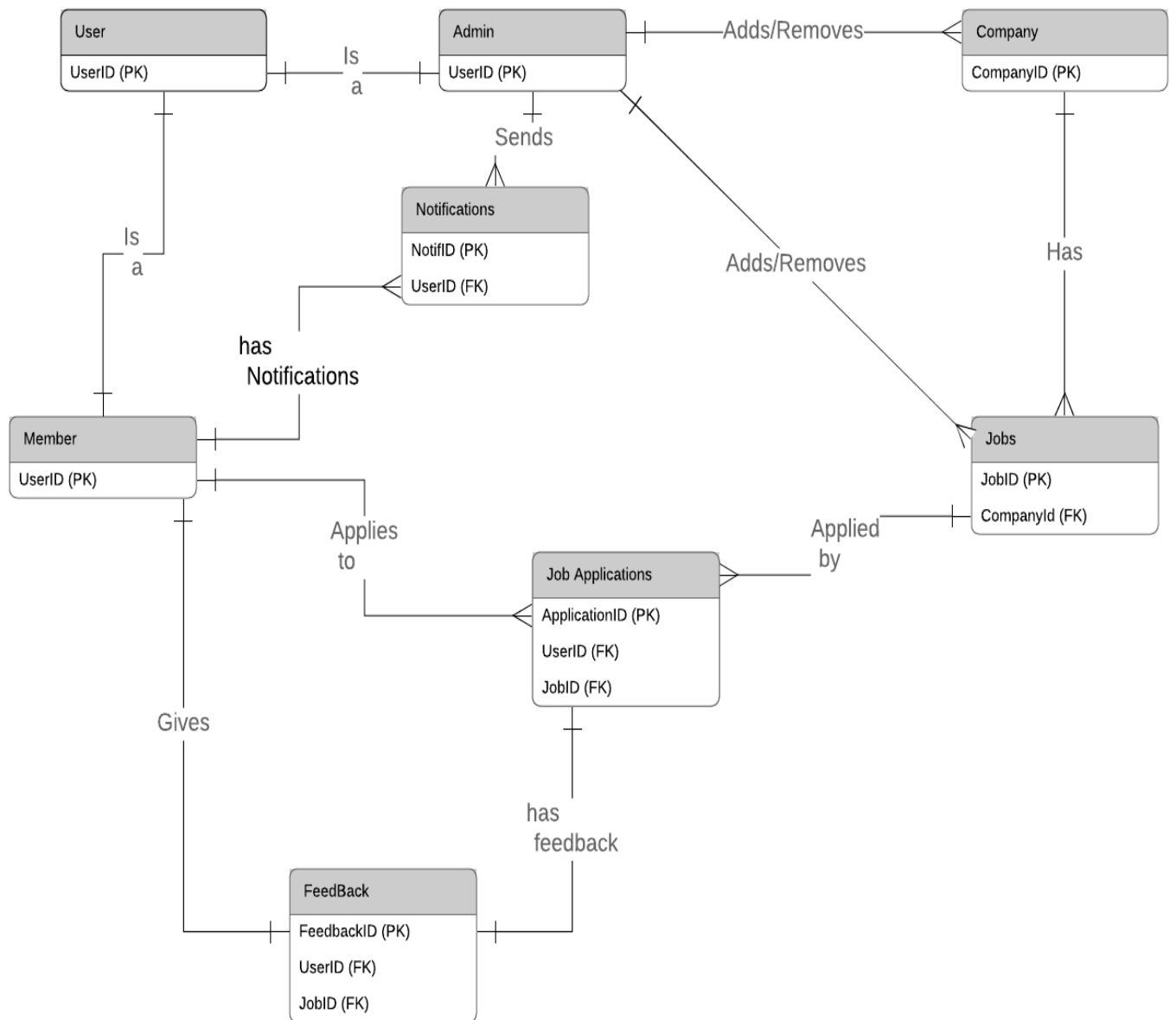
Block User

Copyright 2019

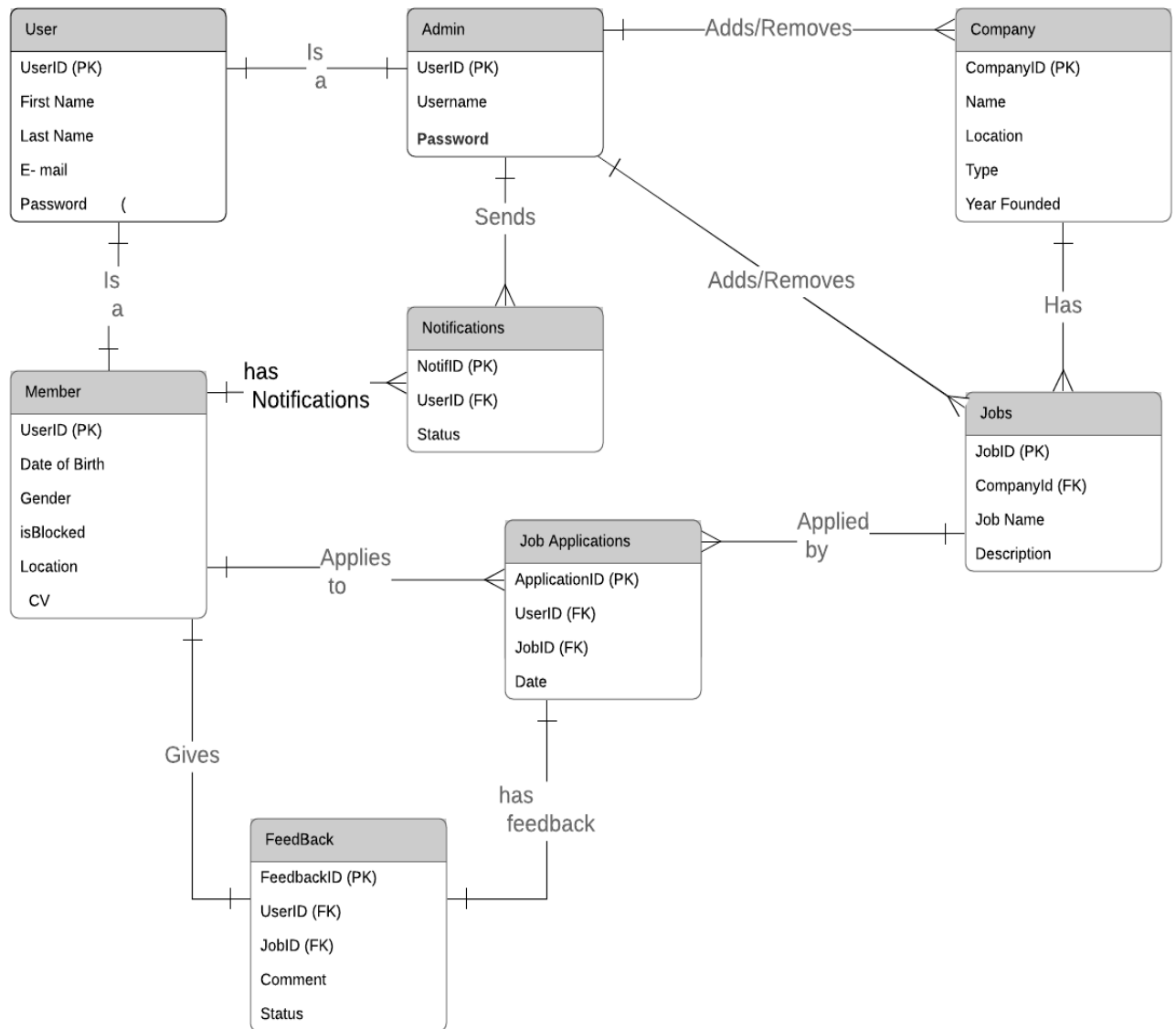




## Context Data Model

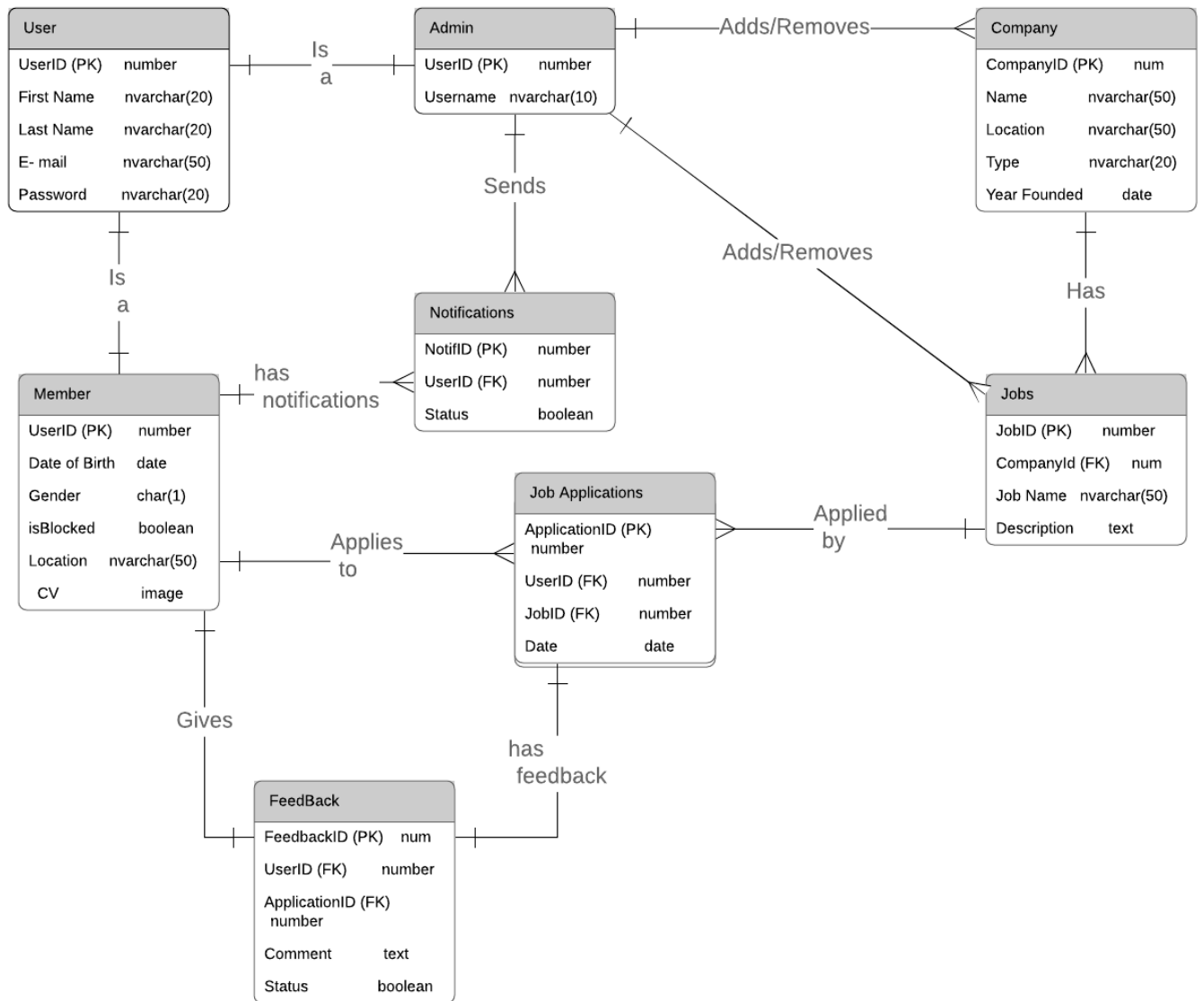


## Conceptual Data Model

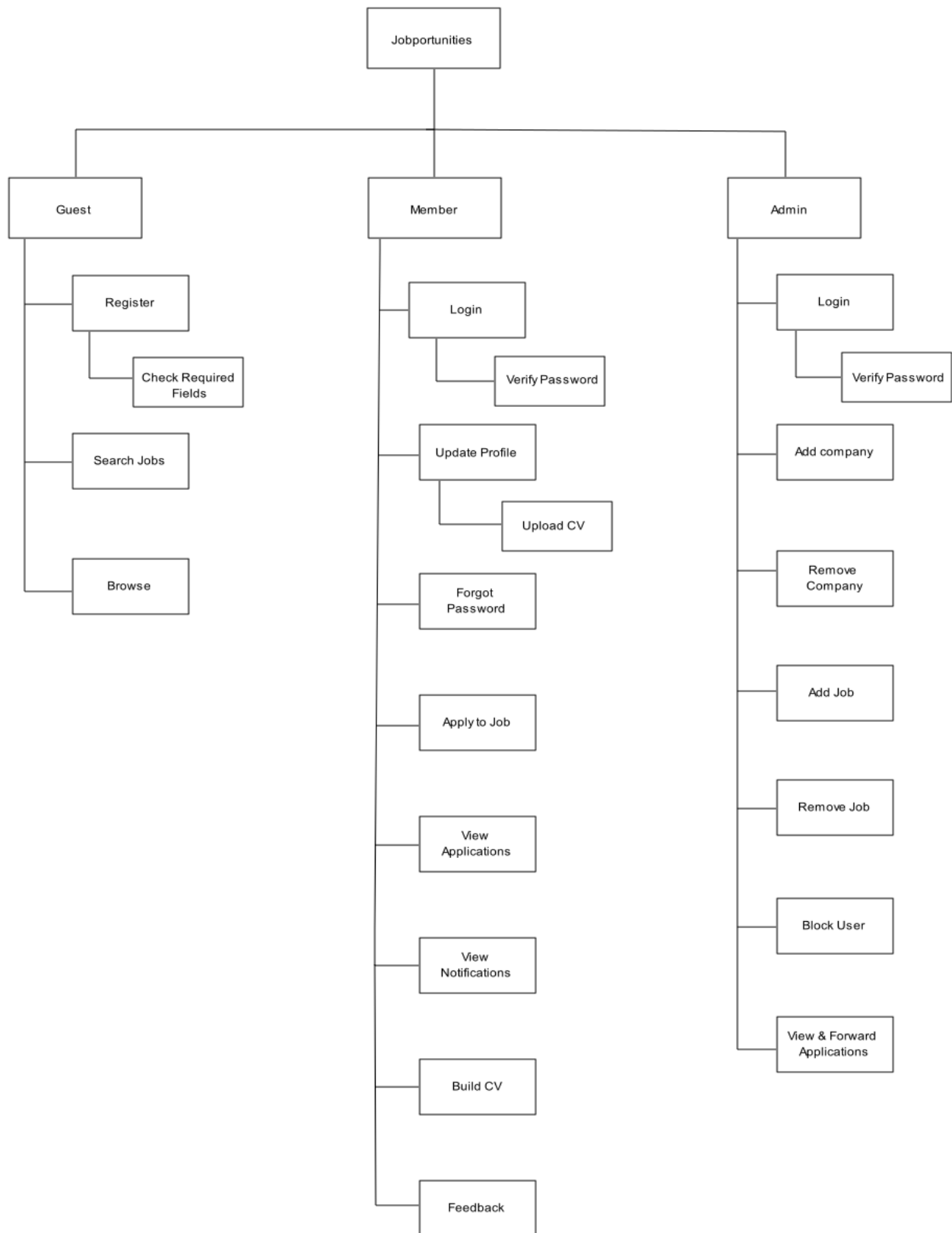




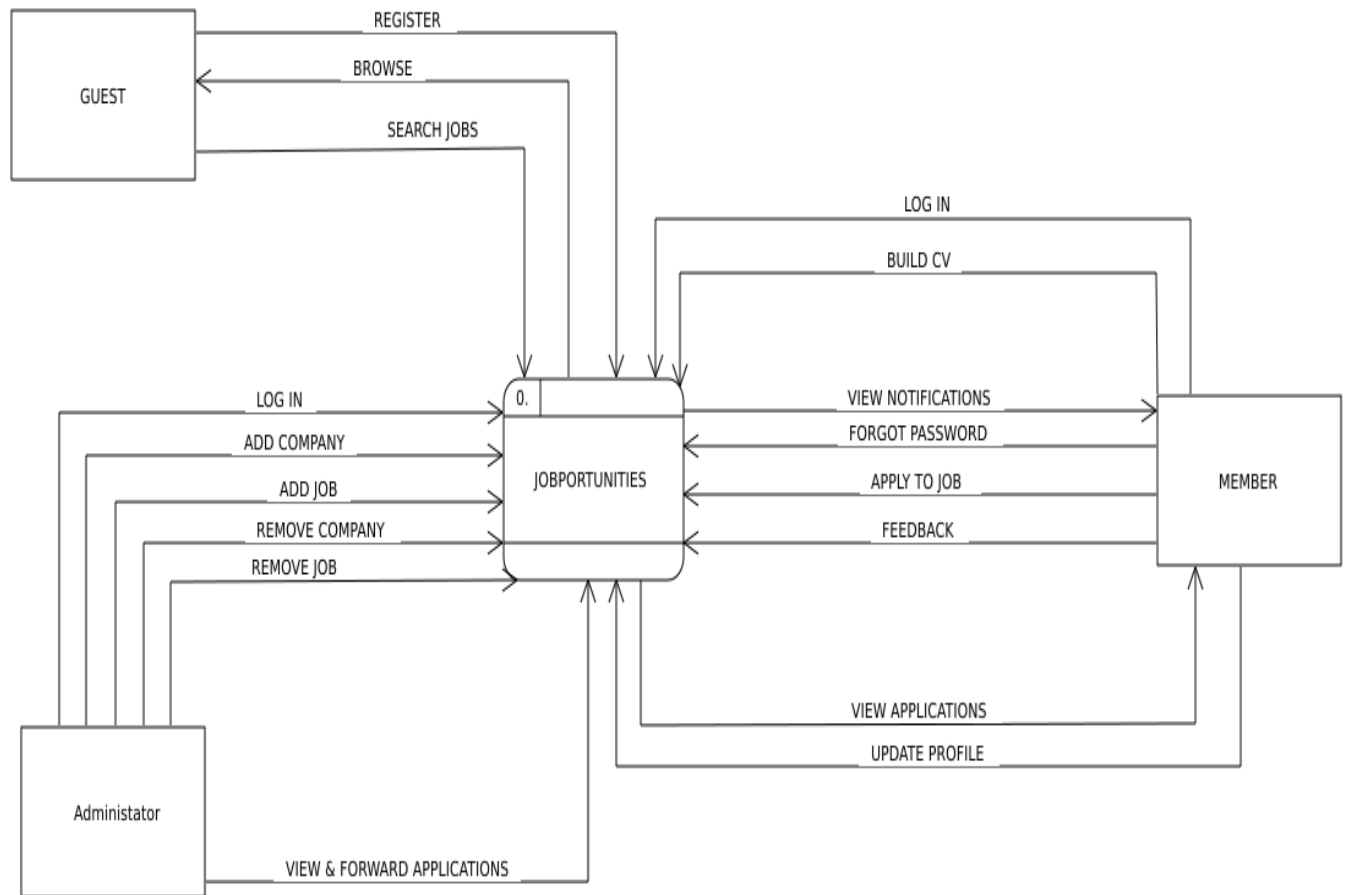
## Physical Data Model



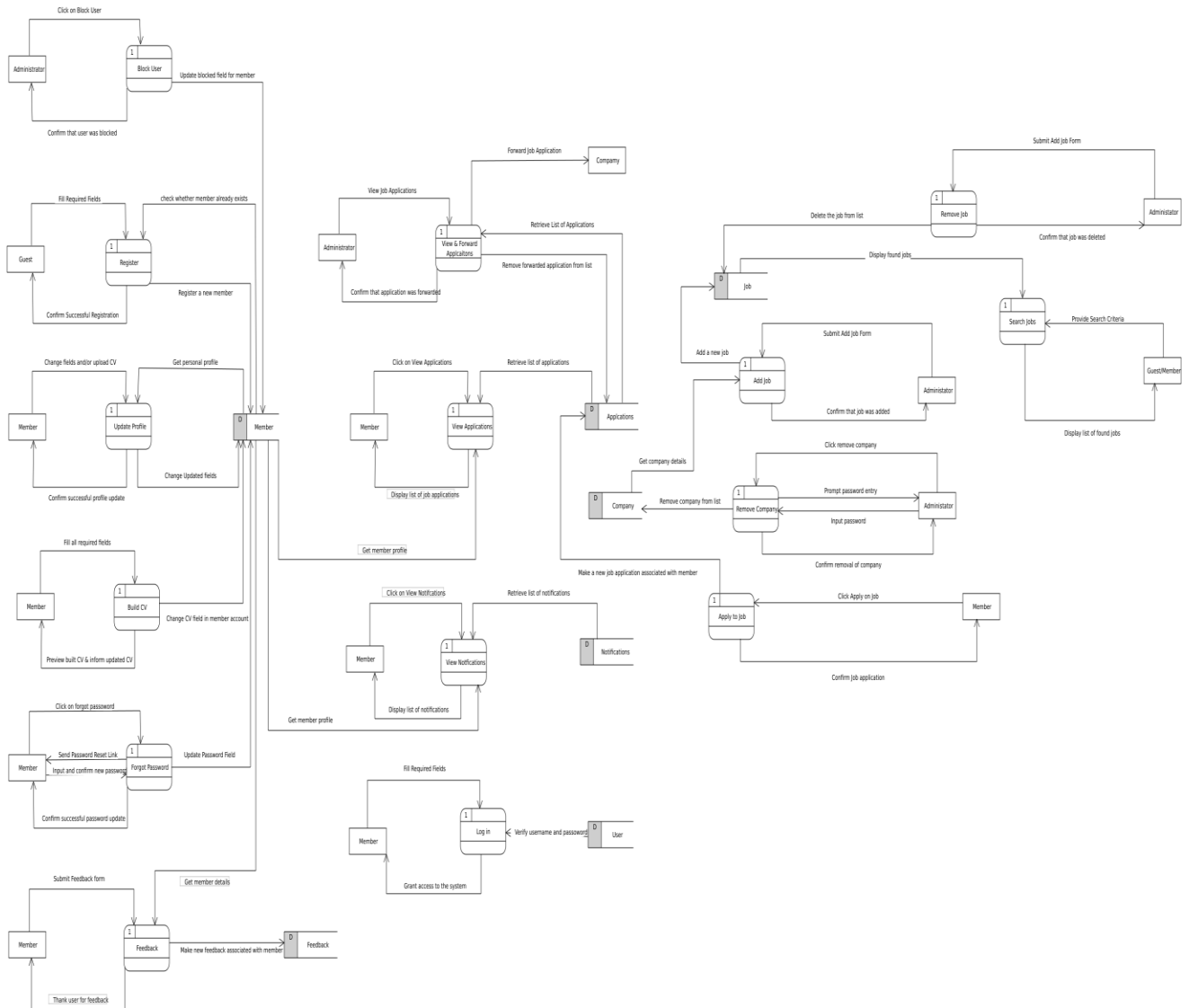
## Decomposition Diagram



## Context DFD



# Full Events Logical DFD



# Full Events Physical DFD

