

CSAT- CSAC

CPL-5559-CSAT-CSAC-0093-V2

2020



GAMER MANAGEMENT

CPL-5559-CSAT-CSAC-0093-V2

Submitted to:

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Date:13/04/2020

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Week-1

Scion Software Solutions

1. Introduction:

S3 offers services of consultancy to mid-size companies in Canada and US.

Operations based on ITIL framework.

1.1 Purpose:

Our company is going to develop an application “Gamer Management portal” for our client.

Scope of the Product

By using this product, data can be stored, retrieve, edit and delete information.

Moreover, there are three categories of users in the application.

- a) Administrator/Super User (System Admin)
- b) Elevated Access User (Host)
- c) Regular User (Gamer)

There will be a key by which the Administrator access will be defined in the database. The Administrator will sign up as a regular user will sign up and the access key is edited in the database to make the user a superuser. Every user who sign up by default will be Regular user type. Only the Administrator has the authority to grant Elevated access to the user from inside the application.

In the Home Page, there will SIGN UP for new users who has not been registered using captcha verification and the users who are already registered will use the LOG IN. Furthermore, we need few requirements for this application.

- A. First Name
- B. Last Name
- C. Email Address- here, user can use his/her username
- D. Password – will be saved encrypted in the database.
- E. Date of Birth – using date picker.

Each user must belong to these following departments:

1. Real-Time Strategy
2. Technology
3. Board Game
4. Card Game
5. Arcade Game

Users must be categorized on the bases of some Access Rules.

After Logged in, Regular user can only see a tab My Profile in the Welcome Page whereas, Elevated access user can see both My Profile and Users tab.

Administrator can see both My Profile, Users tab and Access Requests tab.

Regular user can only edit their profile and make an elevated access request. An Elevated access user can edit their profile Search and View the profile of all users but can edit the information of only Regular access users but cannot change its access type.

An Administrator user can perform all operations as elevated access user do. In addition, it can Approve or Decline request in Access Request page and it will assign a department to each user.

There will a Login Page, Sign Up Page, Welcome Page, Profile Page includes Elevate Access Button, User Page which is displayed in a table with options to view, edit, Create Button, Delete Button and Search textbox to search user table.

Add user Page, Edit users Page, Access Request Page display all access requests made by users which will be displayed in a table with request status. It also includes Search textbox, select checkbox and Approve and Decline Buttons.

1.2 Intended Audience

We are developing our project Gamer Management for our client. Whereas, this project can be deployed in any organization. This SRS is mainly developed for the Project team in which there are Software Analyst, developer, coder, tester, Software Quality Assurance and documentation writer and the users of the project.

Software Analyst: Its job is to find the requirements and needs for the project and make the priority list.

Software Designer will design the platform where all user requirements will be met.

Developer: he will develop the product according to the requirements and user expectations.

Coder: Coder will write the coding to make the product interactive and function according to the requirements.

Software Quality Assurance: SQA will test the product on the bases of requirements and priority list.

User:

1.3 Product Scope:

We will develop an application in which there are different type of users with different access abilities. In which data can be stored in database New User can register on this app and old users and use this app in which they can perform different operations such as alter, deletion, Retrieve and view their profiles. And search for other users. The application is user interactive and fulfill all user requirements.

1.4 References:

<https://aakashtechsupportdocs.readthedocs.io/en/latest/prodpersp.html>

<https://www.pmi.org/learning/library/determining-project-requirements-best-practices-7278>

2. Overall Description

2.1 Product Perspective:

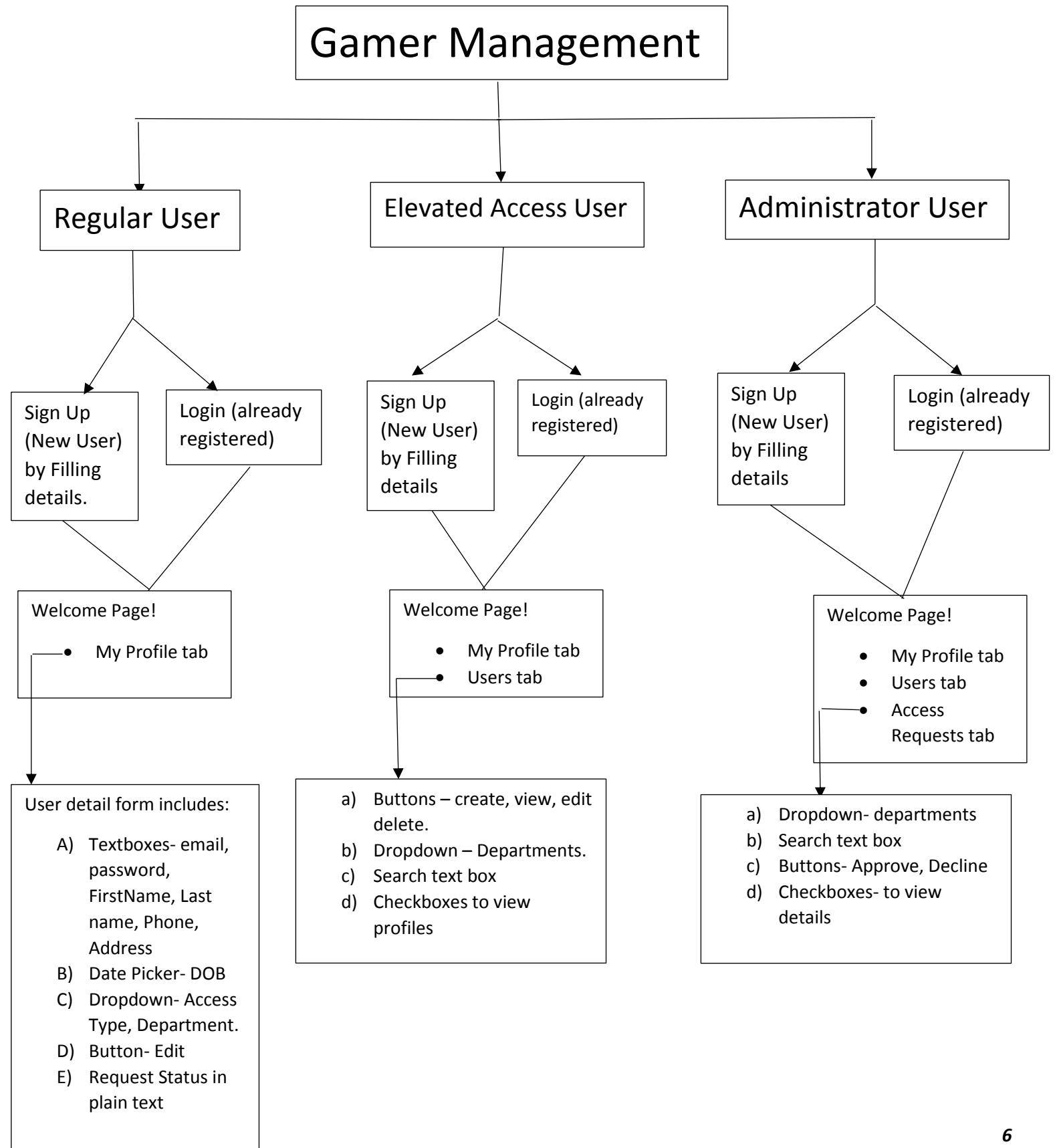
Platform support: it offers a platform to store user information in database based on client operating system.

User view: it allows the users to create their profiles in the application and perform different operations like Create, Store, Alter, Retrieve as required by the user.

Number of users: there are three types of users work on this application at a time having different accessing abilities.

Search: There will be search option to view other user profiles including all information. Moreover, there will be checkboxes used to select and view information of multiple users.

Overview Diagram:



2.2 Product Functions:

The product is a Web application and its IT functions and operations based on the ITIL framework and implementing client-server model which has the collection of best practices for the IT Services Management.

Main Goals to cover:

We are focusing on life cycle practices based on improved Software Development which will thoroughly establish the accountability for the IT team and IT exercises.

There must be efficient communication among team members and customers to have better understanding and for better results. Change management system is to be easily managed to adapt new challenges regarding the product.

Service Level Agreement should be properly managed so that all requirements are filled according to the client expectations.

Risk management should be done to deal with challenging situations in systematic ways.

Week-2

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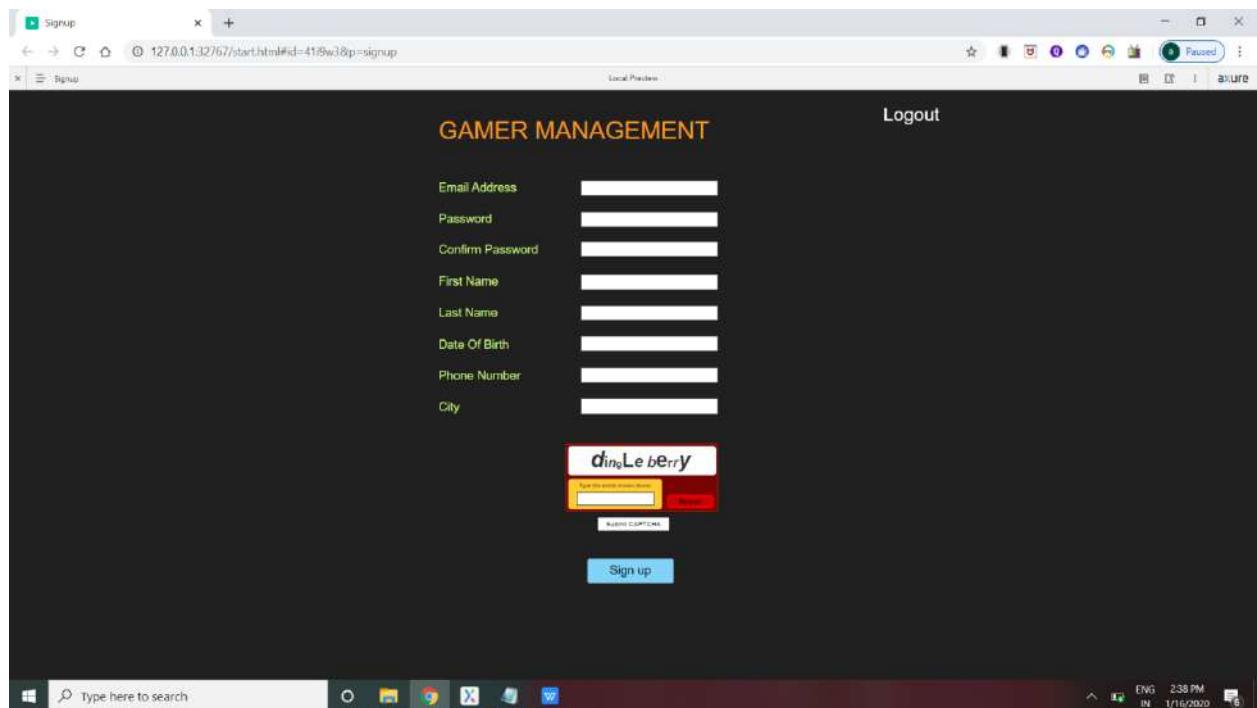
- d) Administrator/Super User (System Admin)
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Furthermore, we need few requirements for this application.

- F. First Name
- G. Last Name
- H. Email Address- here, user can use his/her username
- I. Password – will be saved encrypted in the database.
- J. Date of Birth – using date picker.
- K. Captcha verification



Each user must belong to these following departments:

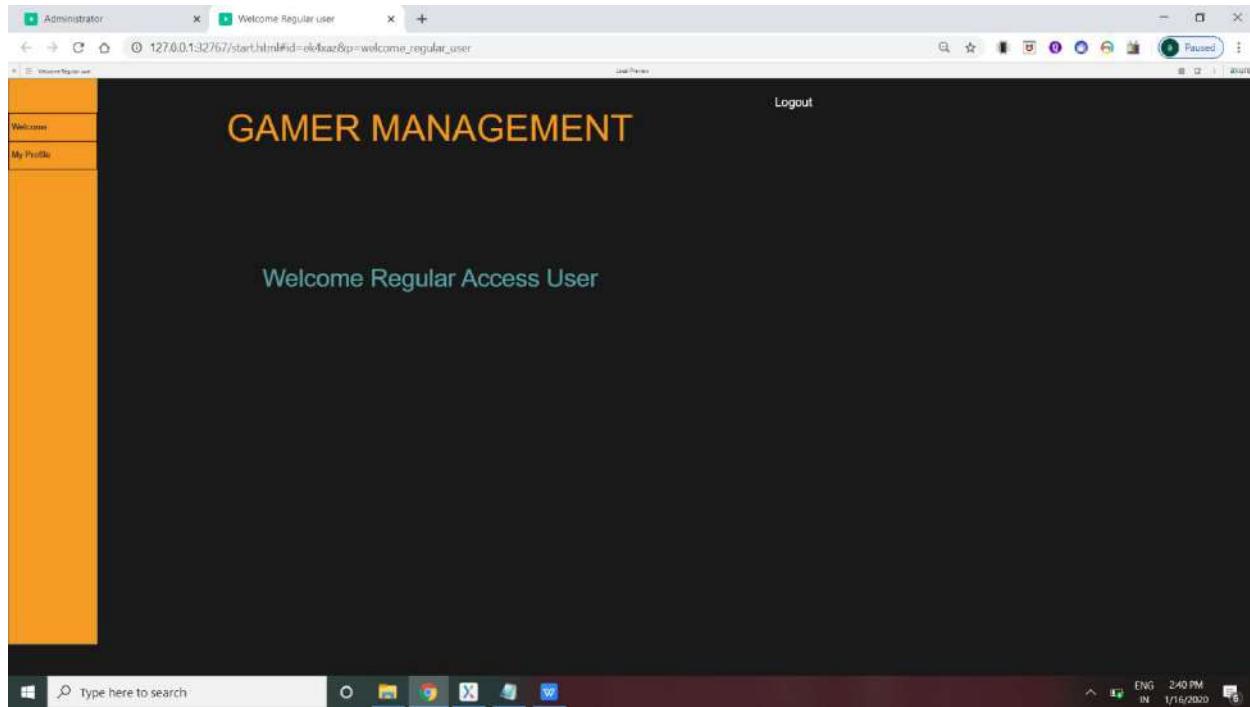
6. Real-Time Strategy
7. Technology
8. Board Game
9. Card Game
10. Arcade Game

The screenshot shows a Windows desktop environment with multiple browser tabs open to the same URL: 127.0.0.1:32767/start.html?id=mv67p2&p=administrator. The main window displays the 'GAMER MANAGEMENT' application. On the left, there is a vertical sidebar with a yellow background containing links: Welcome, My Profile, Users, and Access Request. The 'Users' link is currently selected. The main content area has a black background with the title 'GAMER MANAGEMENT' in orange. Below the title, there are four buttons: Add, View, Edit, and Delete. Underneath these buttons are two search/filter fields: 'Department' (with a dropdown menu) and 'Search...' (with a search icon). The main table area contains a header row with columns: User id, First Name, Last Name, Access Type, Department, Phone Number, and Address. Below the header, there are two rows of data. Each row has a checkbox column with the value 'checked'. The first row's data is: User id 101, First Name Alex, Last Name Kurni, Access Type Player, Department Gamers, Phone Number 08888888, Address 456 Street. The second row's data is: User id 102, First Name Sam, Last Name Shrestha, Access Type Admin, Department Super Admin, Phone Number 09999999, Address 567 Street.

User id	First Name	Last Name	Access Type	Department	Phone Number	Address
101	Alex	Kurni	Player	Gamers	08888888	456 Street
102	Sam	Shrestha	Admin	Super Admin	09999999	567 Street

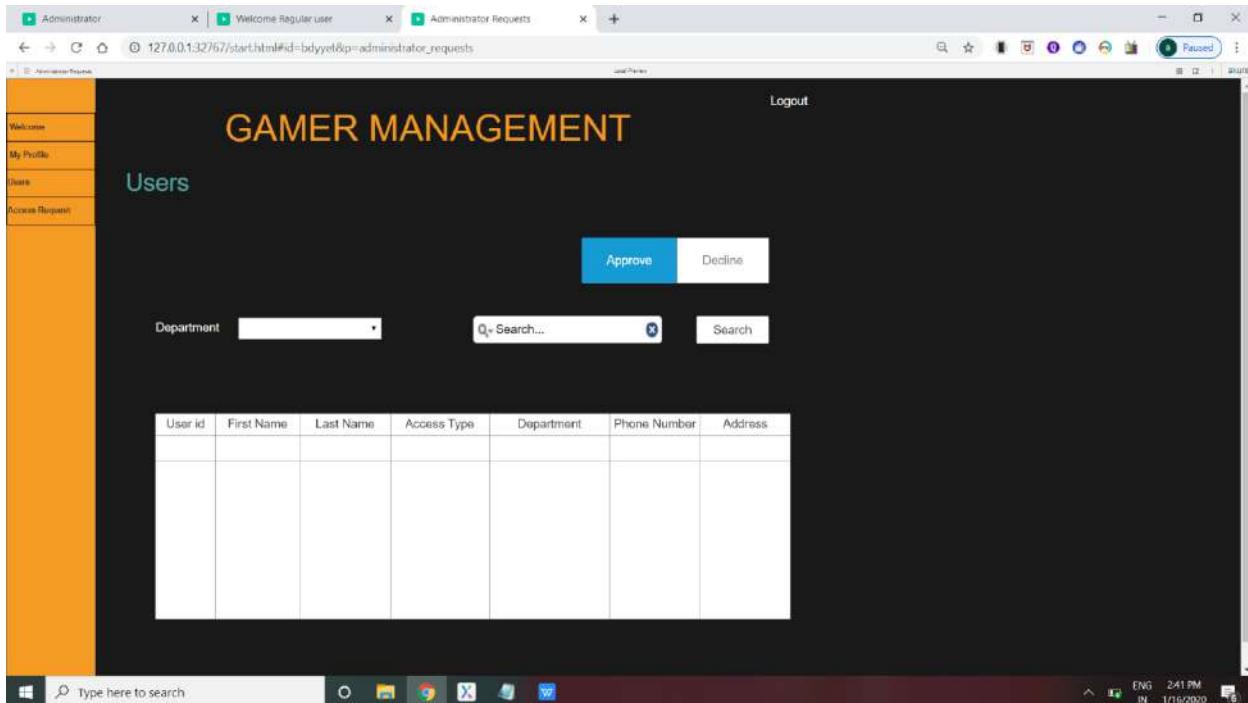
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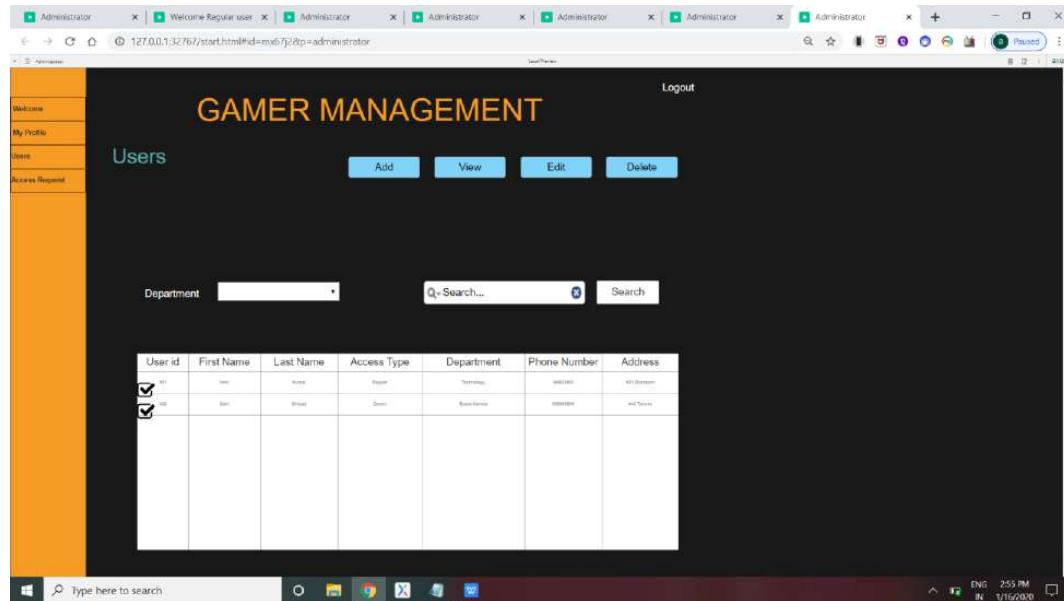


Regular use can only edit their profile and make an elevated access request. An Elevated access user can edit their profile Search and View the profile of all users but can edit the information of only Regular access users but cannot change its access type.

An Administrator user can perform all operations as elevated access user do. In addition, it can Approve or Decline request in Access Request page and it will assign a department to each user.



There will be a Login Page, Sign Up Page, Welcome Page, Profile Page includes Elevate Access Button, User Page which is displayed in a table with options to view, edit, Create Button, Delete Button and Search textbox to search user table.



Add user Page, edit users Page, Access Request Page display all access requests made by users which will be displayed in a table with request status. It also includes Search textbox, select checkbox and Approve and Decline Buttons.

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Software Quality Assurance: SQA will test the product on the bases of requirements and priority list.

User: Client will use the Web application.

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We will develop an application in which there are different type of users with different access abilities. In which data can be stored in database New User can register on this app and old users and use this app in which they can perform different operations such as alter, deletion, Retrieve and view their profiles. And search for other users. The application is user interactive and fulfill all user requirements.

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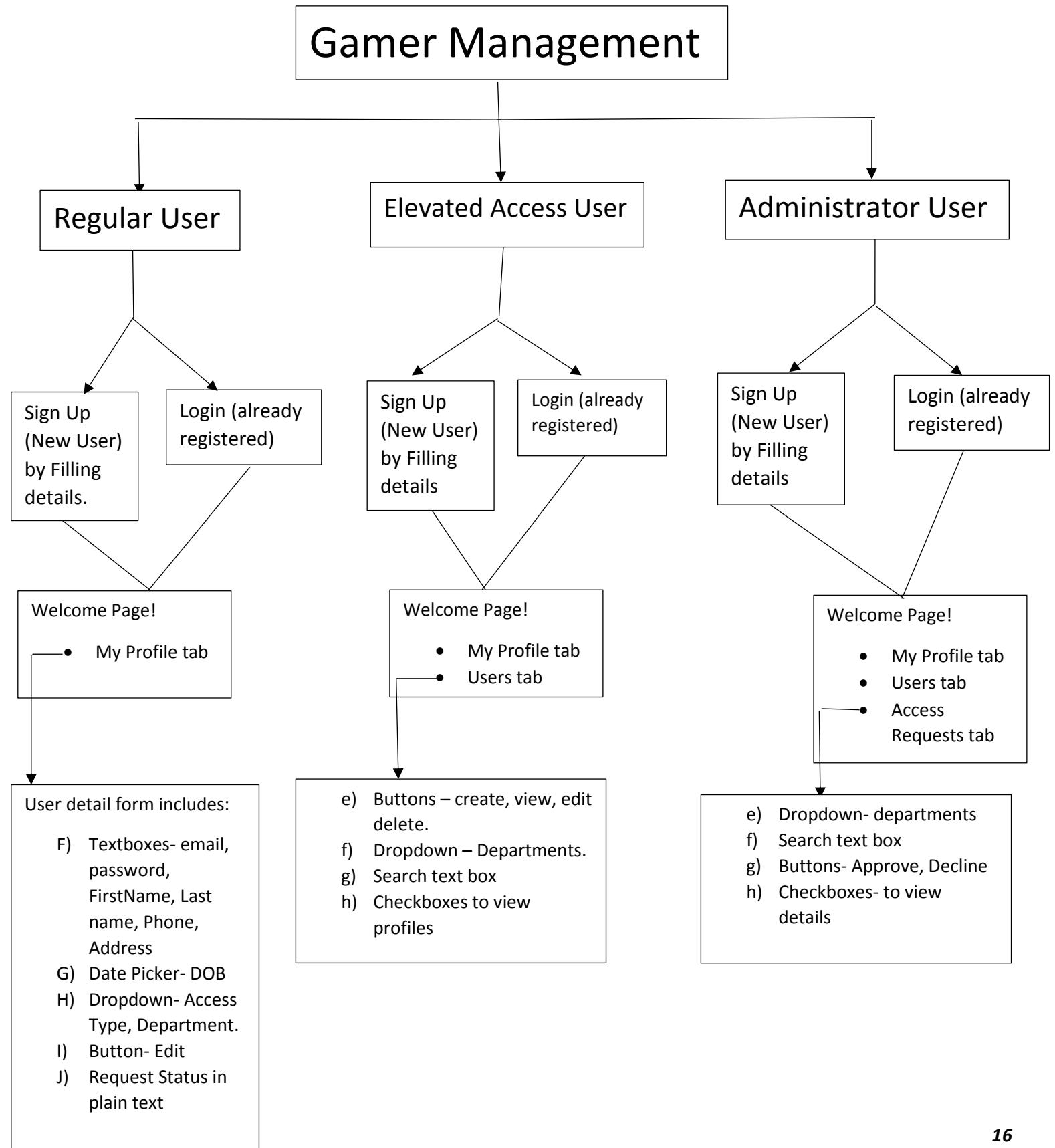
Number of users: there are three types of users work on this application at a time having different accessing abilities.

Search: There will be search option to view other user profiles including all information. Moreover, there will be checkboxes used to select and view information of multiple users.

The screenshot shows a web application titled "GAMER MANAGEMENT". The main page is titled "Users". At the top right, there is a "Logout" link. Below the title, there are four buttons: "Add", "View", "Edit", and "Delete". On the left side, there is a vertical orange sidebar with the following navigation links: "Welcome", "My Profile", "Users", and "Access Request". In the center, there is a search bar with a dropdown menu for "Department" and a search input field with placeholder text "Search...". Below the search bar is a table with the following columns: "User id", "First Name", "Last Name", "Access Type", "Department", "Phone Number", and "Address". There are two rows of data in the table:

User id	First Name	Last Name	Access Type	Department	Phone Number	Address
U1	Tom	Kings	Admin	Sales	9876543210	456 Thompson
U2	Sam	Wheat	Admin	R&D	9876543210	4447 Avenue

Overview Diagram:



2.2 Product Functions:

The product is a Web application and its IT functions and operations based on the ITIL framework and implementing client-server model which has the collection of best practices for the IT Services Management.

Main Goals to cover:

We are focusing on life cycle practices based on improved Software Development which will thoroughly establish the accountability for the IT team and IT exercises.

There must be efficient communication among team members and customers to have better understanding and for better results. Change management system is to be easily managed to adapt new challenges regarding the product.

Service Level Agreement should be properly managed so that all requirements are filled according to the client expectations.

Risk management should be done to deal with challenging situations in systematic ways.

External Interface Requirements:

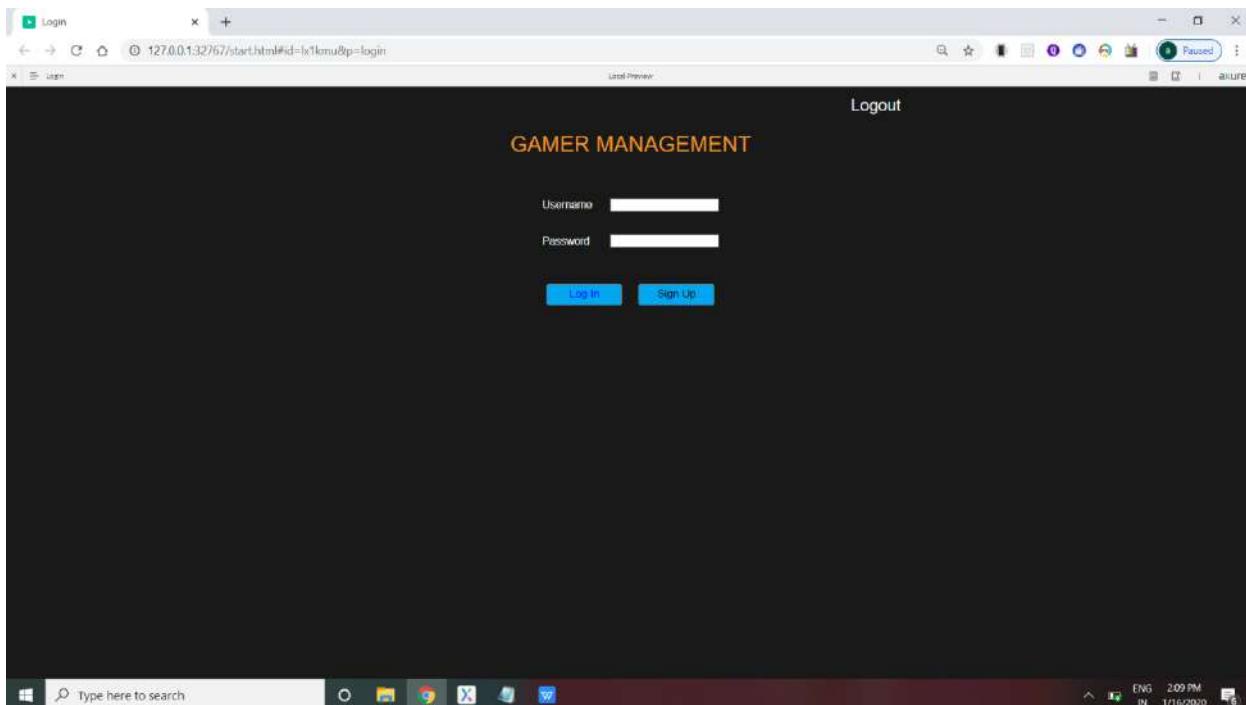
User Interface:

User interface is interaction between the user and the computer, in which user communicate with the device in order to get the expected results. It includes mouse, keyboard, display screens and presentation of the desktop. User can come in contact with any web application or websites in order to search for different queries, get results using different web applications like bank account app, social media websites like Facebook, twitter etc. User can interact with different mobile applications such as weather application, google maps etc. in which user connects with the environment and reach the results.

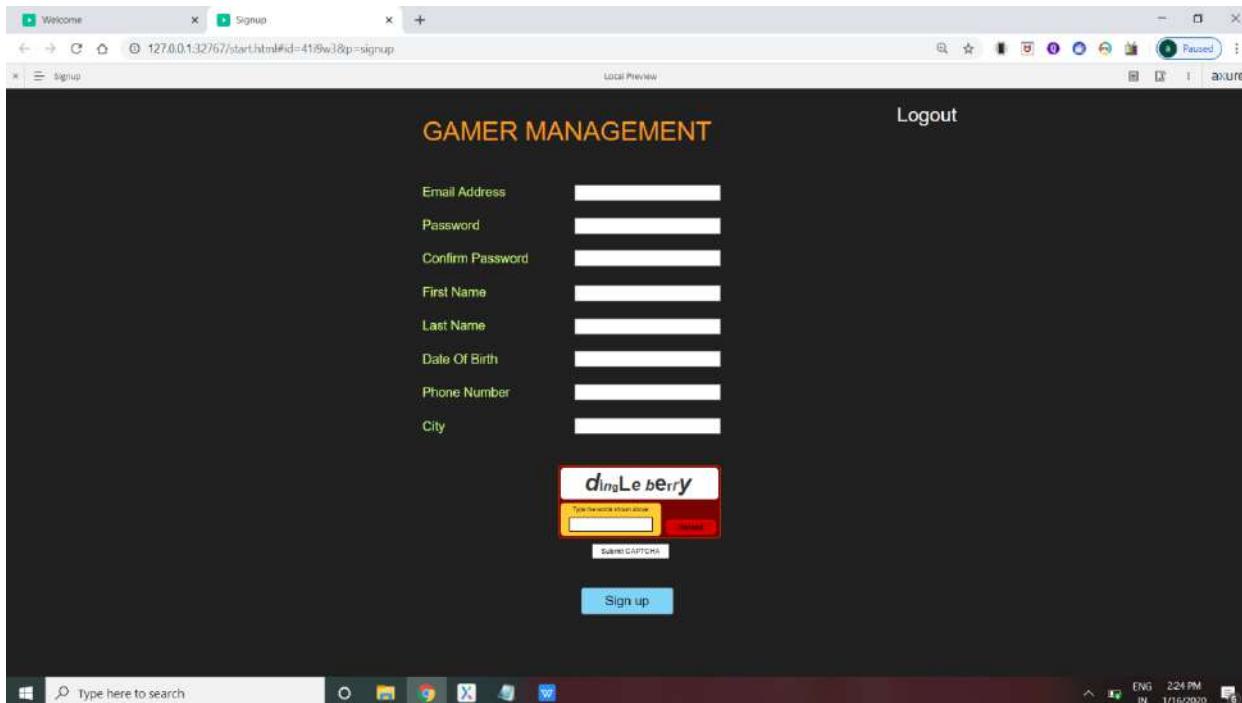
Logical characteristics between Software product and the users:

User interfaces:

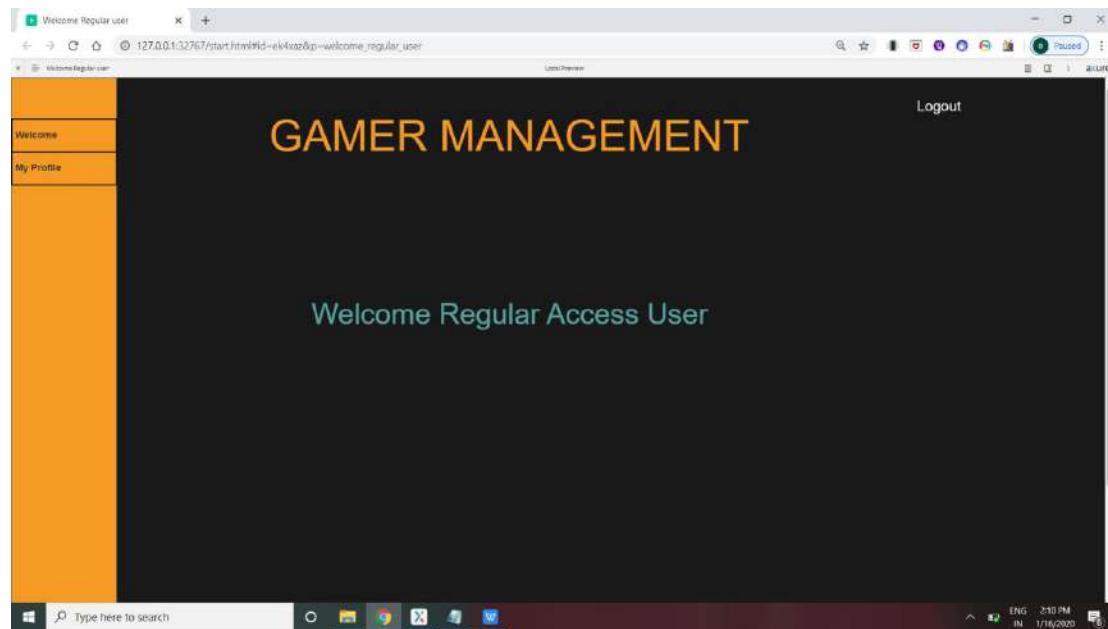
Here, there is title of our software product named Gamer Management. There are two labels named as **Username** and **Password** following by the textboxes. There are two buttons named Login and Signup.



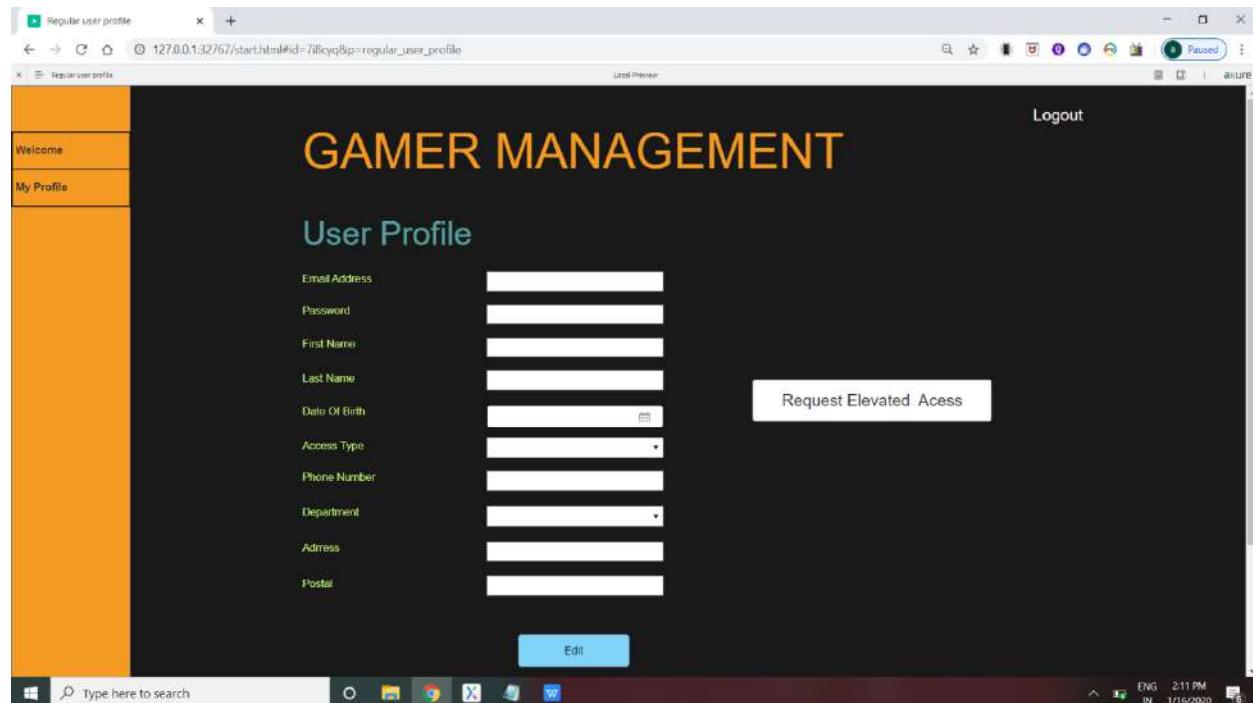
Firstly, Regular user will open the web app and able to see the home screen having **Login** and **Signup** option buttons. Users who are already registered will use the Login option by filling Username and Password whereas, new users will select the Signup option to create an account. After selecting Signup option, user will be navigated to next screen in which user has to fill the required details includes *email address, Password, confirm password, first name, Last name* (labels following by textboxes), *Date of Birth* (using date picker) and *Captcha verification*. After filling all details, user will click on Signup button which will take him to the next screen showing message “Welcome in your account” and able to see **My Profile tab**.

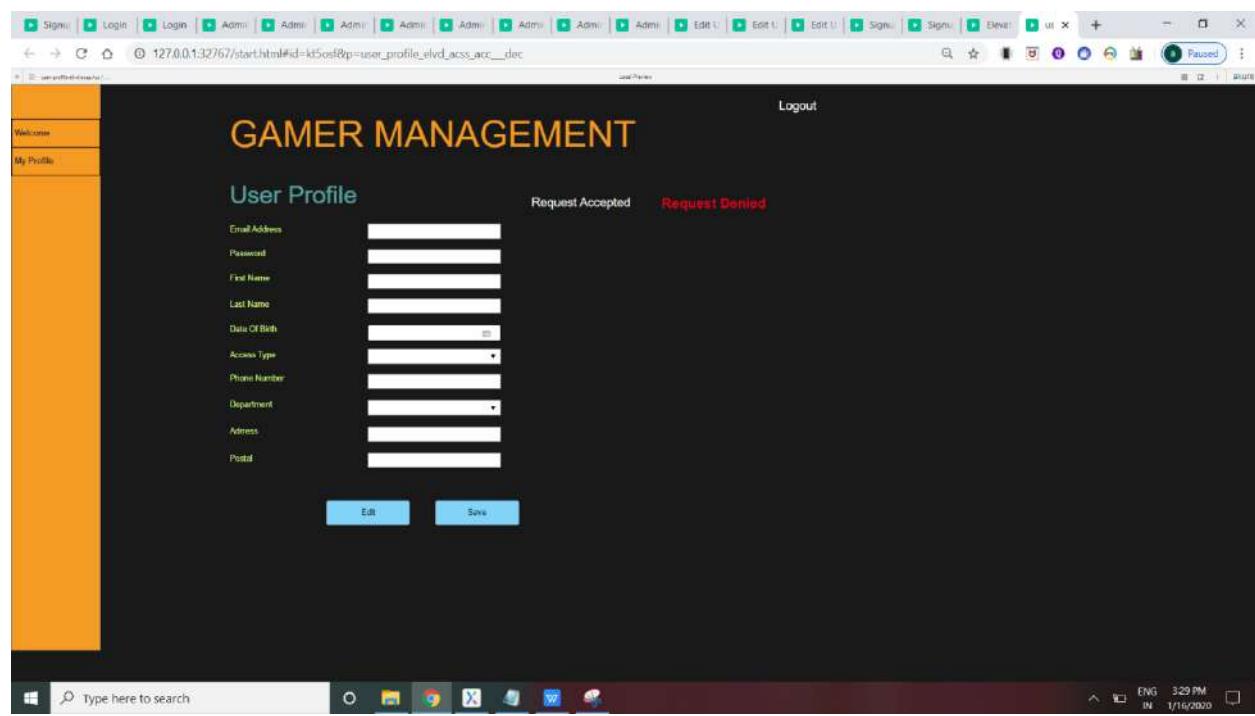


After LOGIN or SIGN UP, User will be able to see Welcome Page



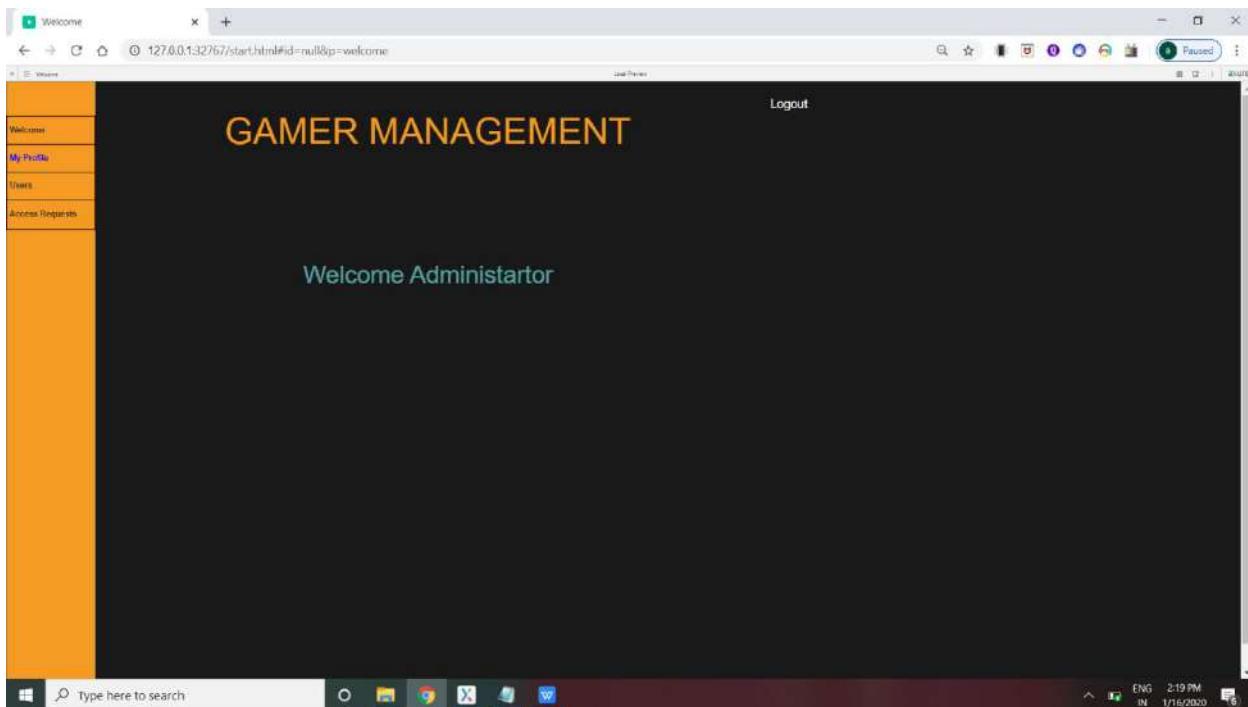
When user will view My Profile tab, he will able to not only view but edit the information using **Edit button** and has one **Request Elevated Access** button to raise the request for elevated access.





Administrator:

Under Welcome , he will see the Welcome page ,**USER** tab, Administrator can create user information using **Create** button, edit the profile using **Edit** button, View profiles of all users using **View** button, delete information of user using **Delete**, Search for other users using **Search Box**, and provide access in response to elevated access request by Approving or Declining the requested raised by the regular user, which is the most important role of the administrator. Administrator will also assign a department to each user using Department dropdown such as, *Real-Time Strategy, Technology, Board Game, Card Game, Arcade Game.*



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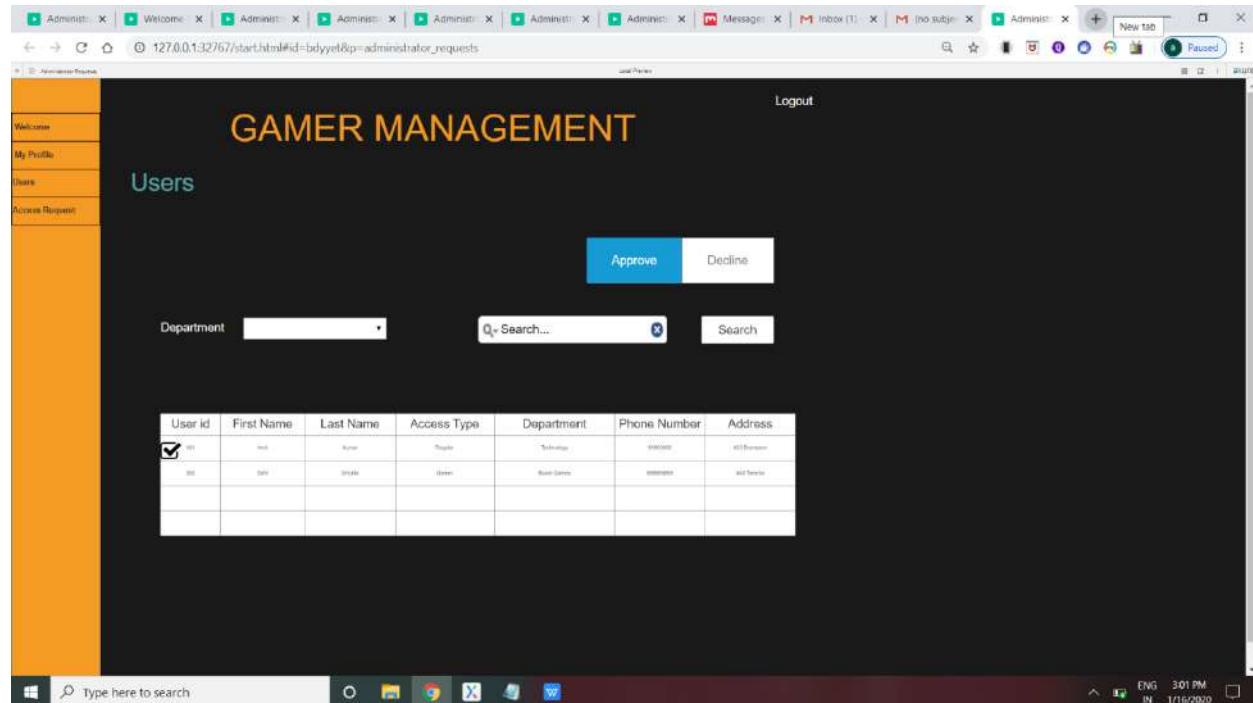
Under My Profile tab,

The screenshot shows a web browser window titled "Edit User" under the "Gamer Management" heading. On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile (which is selected), Users, and Access Requests. The main content area contains input fields for Email Address, Password, First Name, Last Name, Date Of Birth, Access Type, Phone Number, Department, Address, and Postal. At the bottom are "Save" and "Cancel" buttons.

The screenshot shows a web browser window titled "Users" under the "Gamer Management" heading. The left sidebar menu is identical to the previous screenshot. The main area displays a table of user data with columns: User id, First Name, Last Name, Access Type, Department, Phone Number, and Address. Two rows are visible in the table, both with checkboxes in the first column. At the top of the table area are buttons for "Add", "View", "Edit", and "Delete". Below the table are search filters for "Department" and "Search".

User id	First Name	Last Name	Access Type	Department	Phone Number	Address
001	Abd	Karim	Player	Technology	01234567890	401 Banjara
002	Sohail	Ismail	Admin	Business	09876543210	402 Tariq

Under **Access Request** tab, Administrator will be able to see Department dropdown, Search box, two buttons named **Approve** and **Decline**.

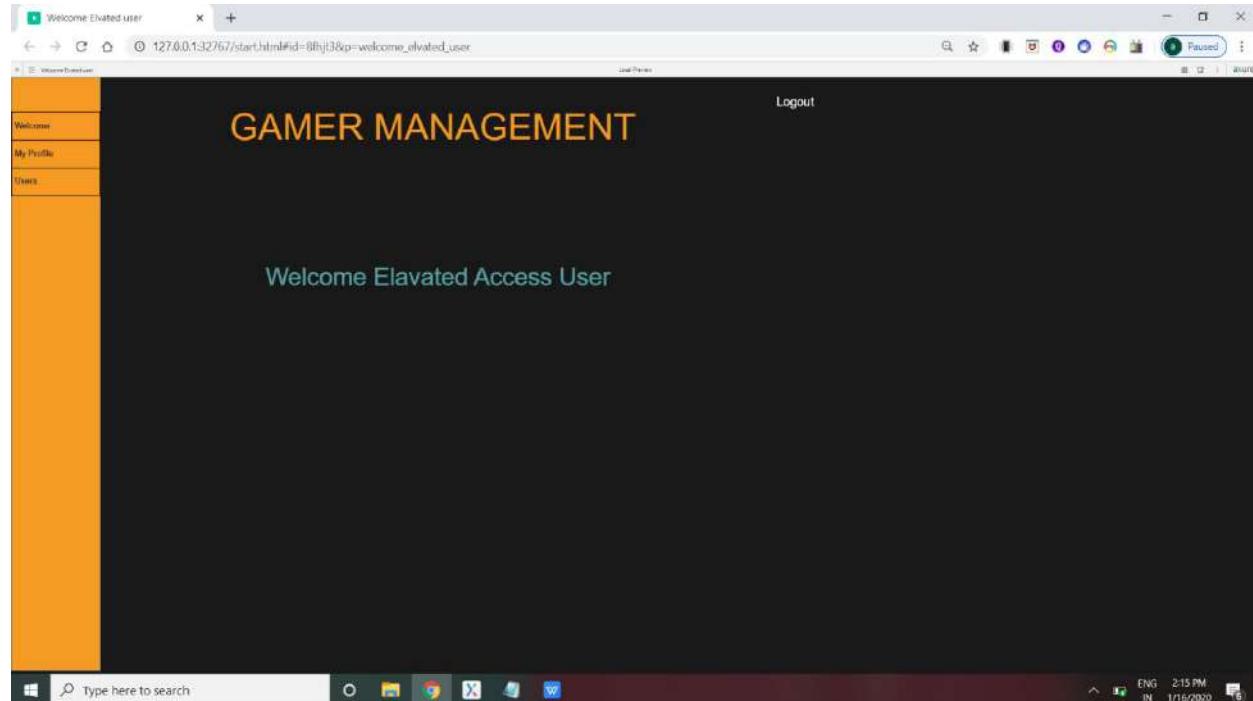


In order to give approval and disapproval, Admin can view the access requests sorted by **Department** or select *all* to view all requests.

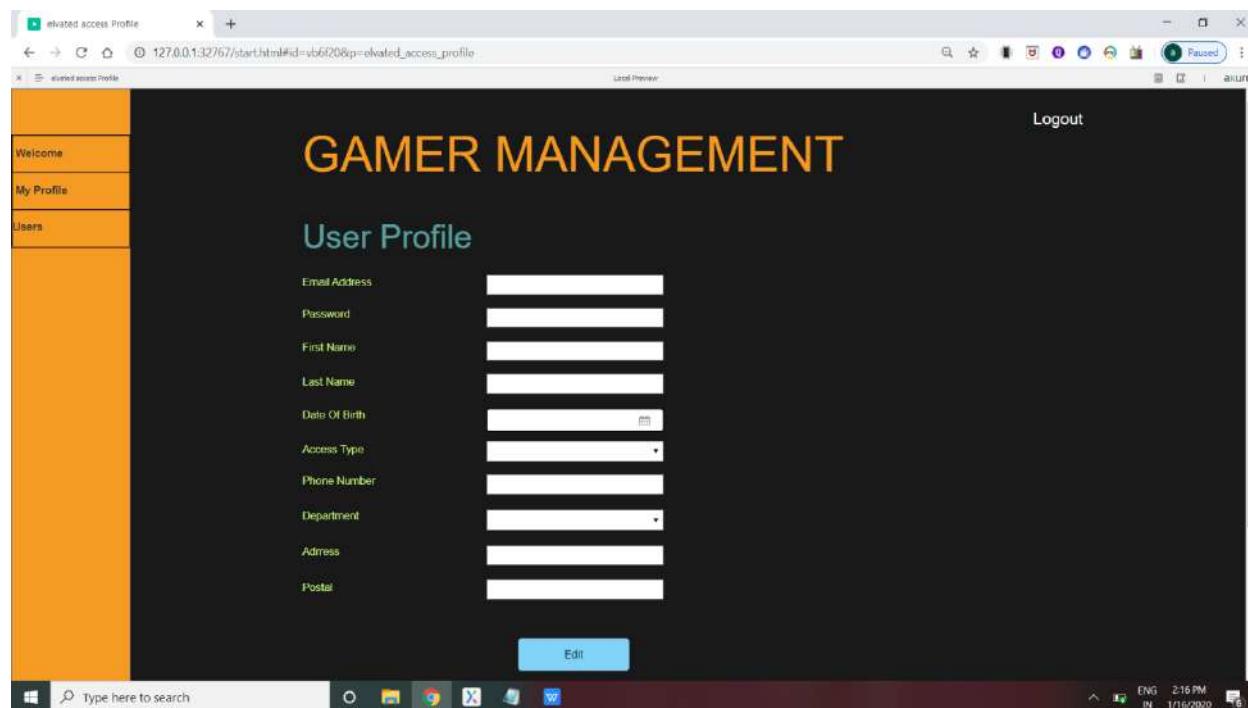
Moreover, Requests can be viewed by using **Search** box to search according to the departments.

Elevated Access user:

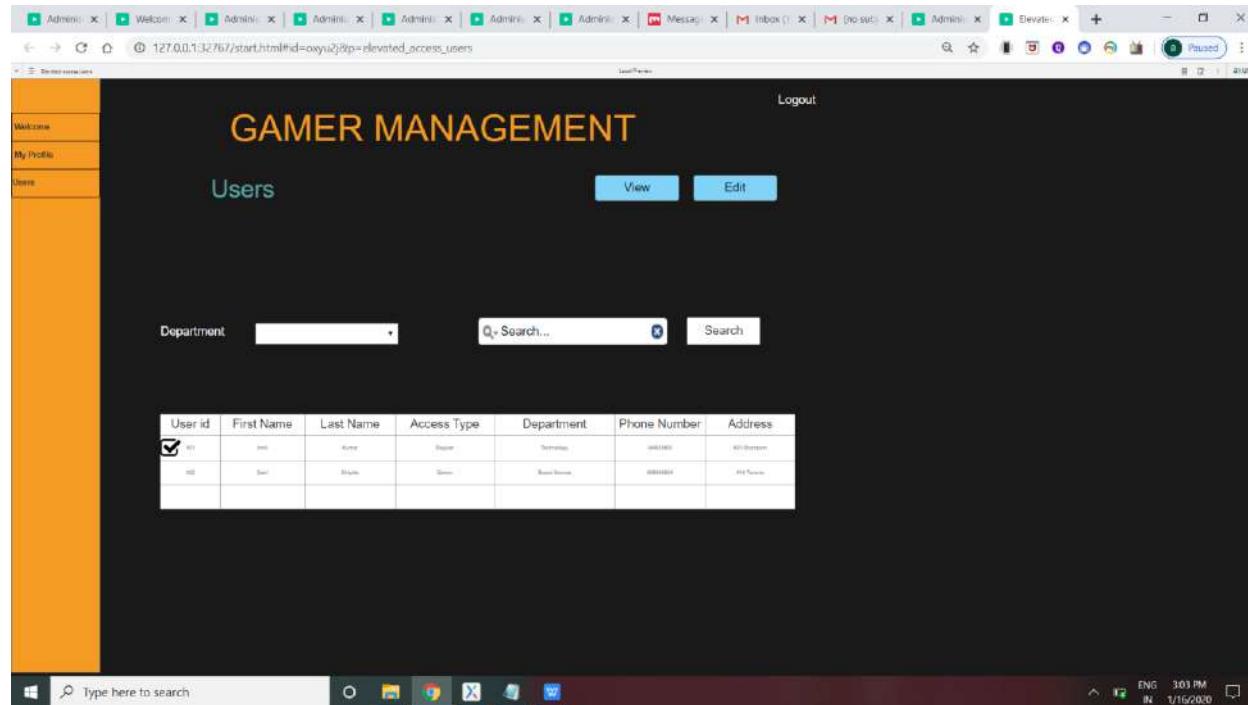
After Login, Elevated Access user will be able to see **My Profile** and **Users** tab User can edit his/her profile using **Edit** button, Search for other users using **Search** box, view profile of all users using **View** button but edit information of only Regular access users and cannot change the access type of regular access users.



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Under Users tab,



Here, we are thoroughly explaining the user interface design which includes the detailed description of constraints and functions of all interface elements.

Home Page

Login and Sign up rules.

- 1) The user, who is not registered, cannot login, need to sign up first.
- 2) User already registered may login with the registered id by filling Username and Password.

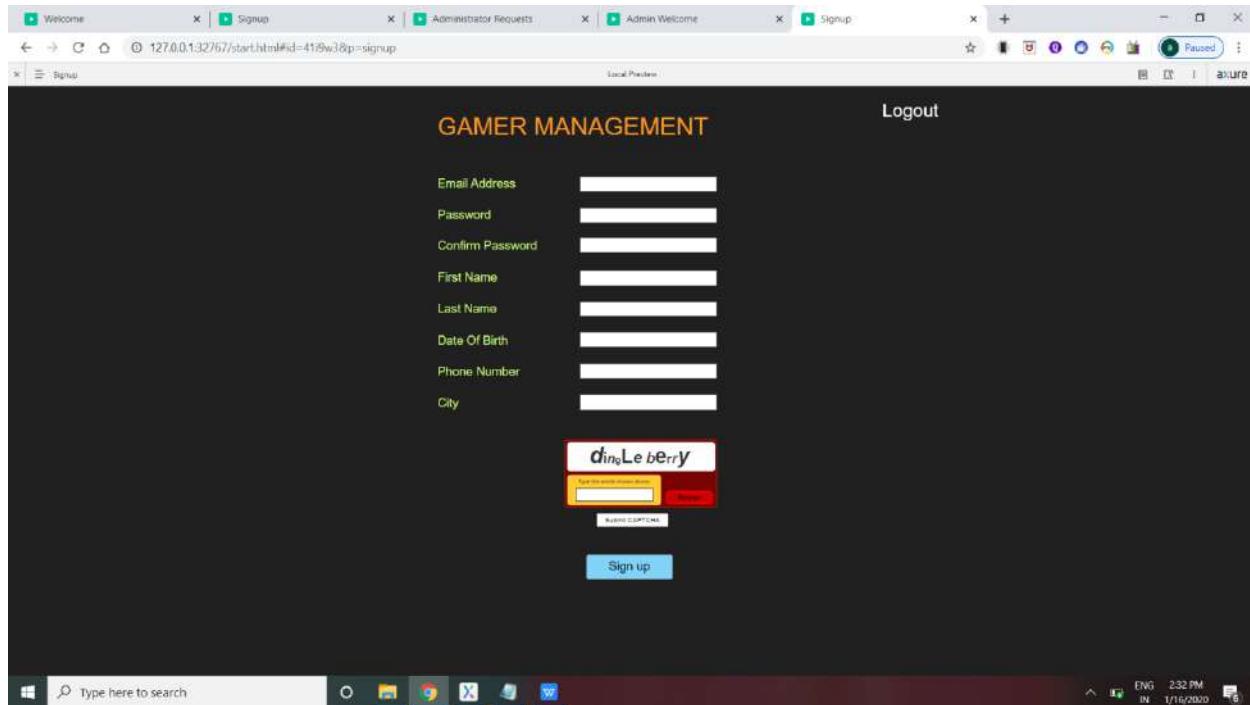
USERNAME - Username should be of 8 characters and include at least one numeric value

PASSWORD - Password is a required field and should be of at least 8 in length, one special character, one numeric value, one capital letter. User needs to fill password according to the rules.

SIGN-UP

- 1) User needs to fill all required fields which are followed by (*) est-rick sign.
- 2) Date of birth field must be filled by using Date Picker, not in manual format.
- 3) Captcha verification is must to proceed for Sign-Up.

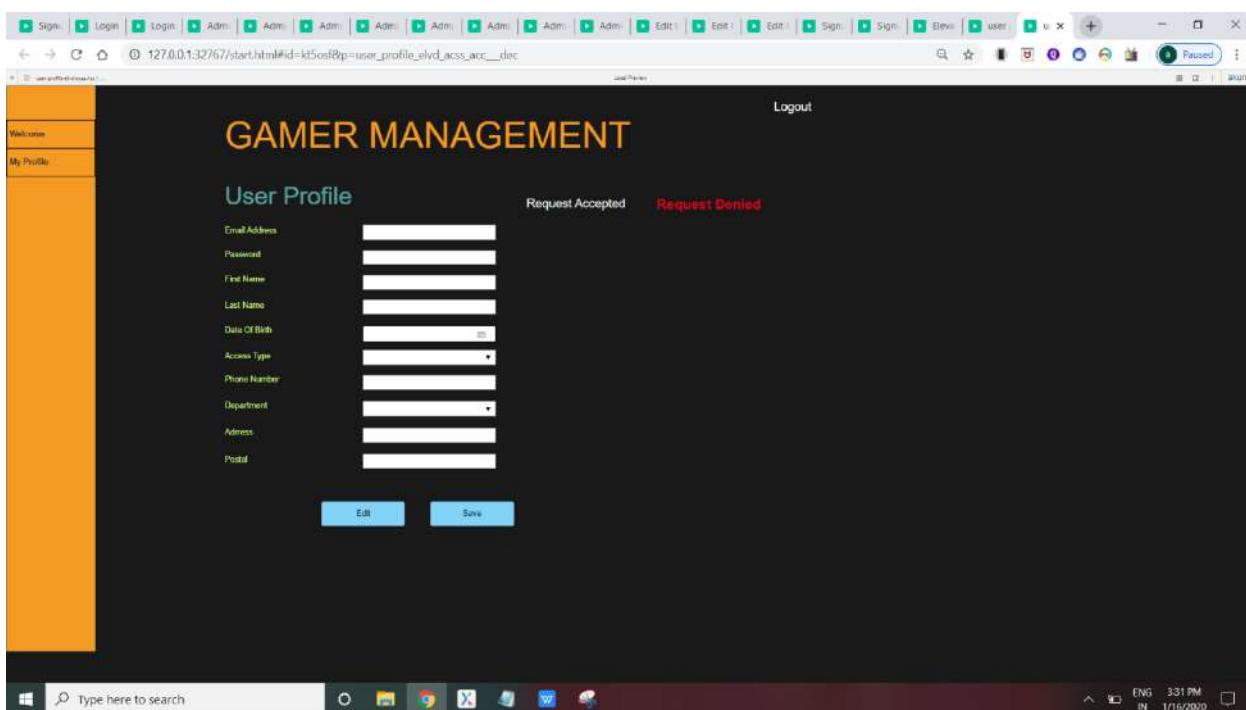
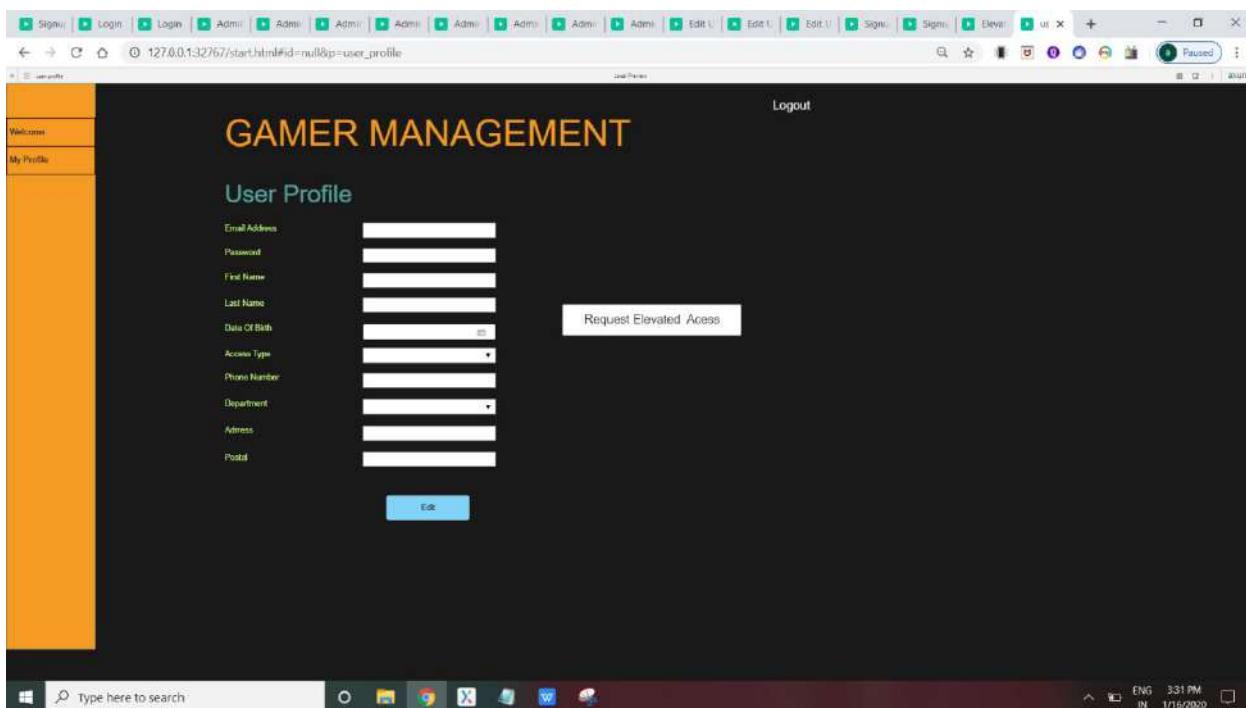




My profile Tab

User will be able to view his profile including all information.

- 1) . He can edit information except *Access type*, *Department* using **Edit** button.
- 2) **Request Elevated Access** button only should be used to raise a request to Administrator for elevated access.
- 3) If User has raised the request for elevated access, only then he will be able to see the status whether it is *approved* or *declined* .



Elevated Access User:

- 1) . Only those users, whose Elevated access request has been approved by the Administrator, becomes Elevated Access User.
- 2) Only these users will be able to see **User** tab.
- 3) They will be able to view profile of other users using **VIEW** button by two ways.
 - By selecting the Department using dropdown list.
 - By using the **SEARCH** box to view the information of a particular user.

The screenshot shows a web-based application titled "GAMER MANAGEMENT". The main header is "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar with navigation links: "Welcome", "My Profile", and "Users". The "Users" link is currently selected. The main content area has a dark background. At the top right, there is a "Logout" link. Below the title, there are two buttons: "View" and "Edit". Underneath these buttons, there are two input fields: "Department" (a dropdown menu) and "Search" (a search bar with a magnifying glass icon). Below these fields is a table with the following data:

User id	First Name	Last Name	Access Type	Department	Phone Number	Address
101	Abc	Abc	Normal	Technology	9876543210	401 Business
102	Def	Def	Normal	Brand Games	8888888888	402 Office

- After detail of users appear on the screen, User needs to tick the checkbox of that particular user on which he wants to perform **Edit** operation but only on Regular Users.

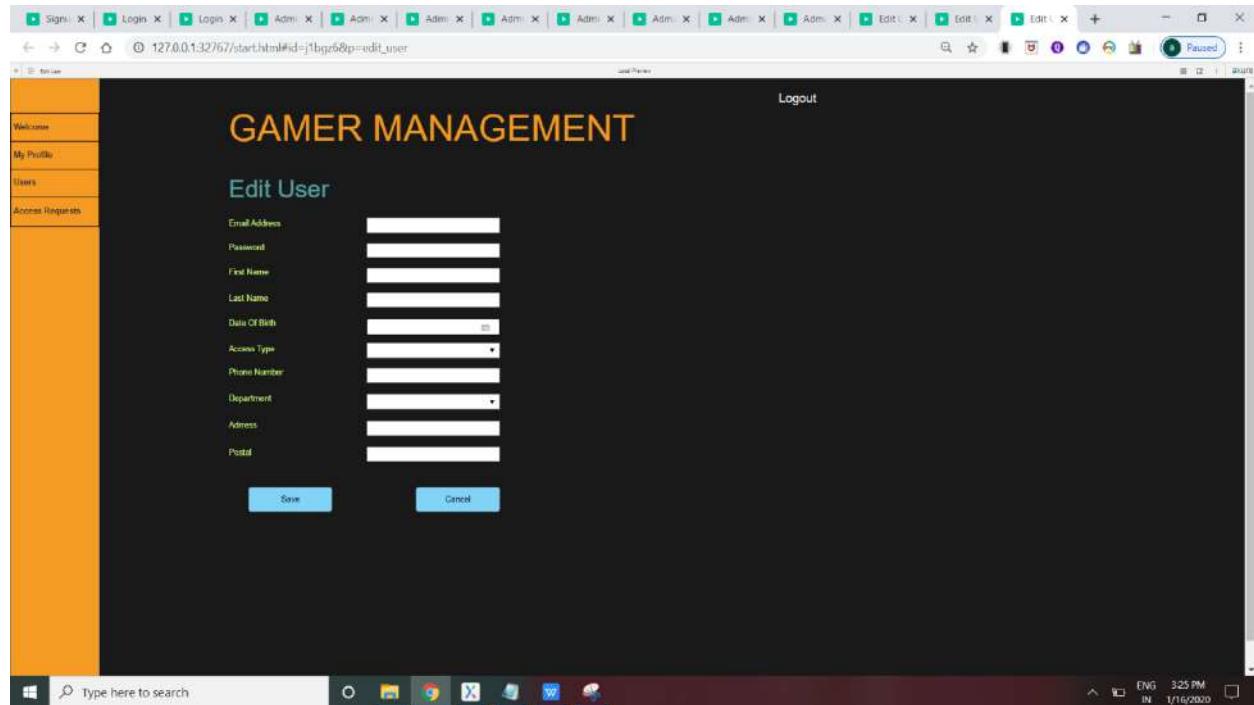
The screenshot shows a Windows desktop environment with a taskbar at the bottom. The taskbar includes icons for File Explorer, Google Chrome, and other system applications. The system tray shows the date as 1/16/2020 and the time as 3:03 PM. The main window is titled "GAMER MANAGEMENT" and displays a "Users" list. On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, and Users (which is currently selected). At the top right, there are "Logout" and "Logout" buttons. Below the title, there are "View" and "Edit" buttons. A search bar with a placeholder "Search..." and a "Search" button is present. A dropdown menu labeled "Department" is open. The main content area shows a table with the following data:

User id	First Name	Last Name	Access Type	Department	Phone Number	Address
001	Tom	Kemp	Super	Sales	9876543210	456 New St
002	Sam	White	Super	Research	9876543211	457 New St

Administrator:

Administrator has the higher authority among all the users.

- 1) . Under **MY PROFILE** tab, user can see his own profile using **VIEW** button.
- 2) In order to edit the information. He needs to select the **EDIT** button. After making changes, except the Access Type, Admin needs to save changes by using **SAVE** button or discard the changes by using **CANCEL** button.



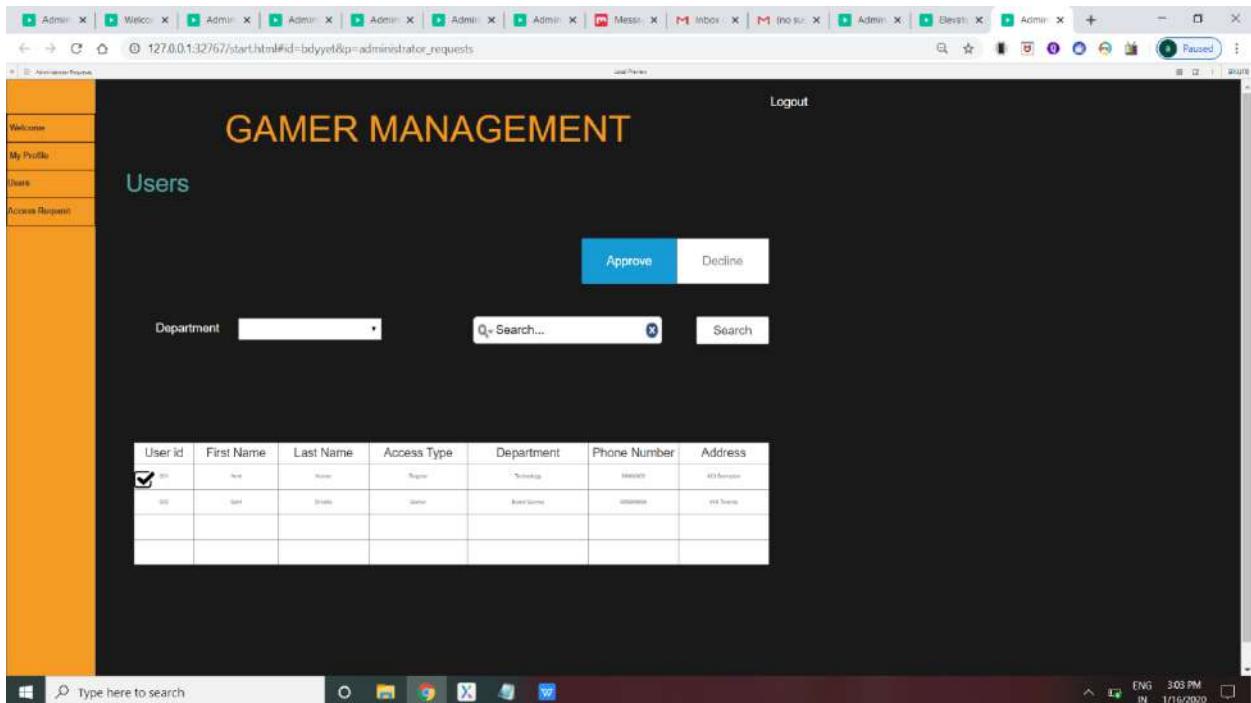
Under **USERS** tab

- 3) . Admin can see the details of other users by using **VIEW** button and selecting Department from the drop-down list. If the results are in multiple user details, Admin needs to select one user by selecting the Checkbox.
- 4) If Admin want to see the information of any particular user, then he can search in the Search box.

- 5) Admin can edit the users information after performing VIEW operation, then changes can be saved by using **SAVE** button.
 - 6). After Viewing the user's information, Admin can Delete the User using **DELETE** button.

Under **ACCESS REQUEST** tab,

 - 6) . Admin will be able to see list of all users who have sent the Elevated Access request.
 - 7) Admin can also sort the Access Requests by selecting the *Departments* or *Search* box.
 - 8) Admin needs to select the Checkbox then approve or Decline the request using **Approve** or **Decline** button.



Input Controls in detail:

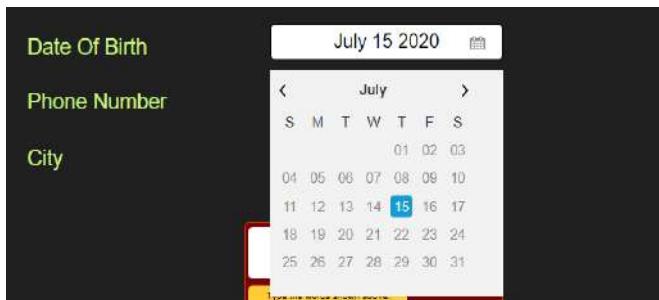
Software components for which a user interface is needed that includes Input controls which are shown as given below:

1.Text-boxes: It is a graphical control element where user will input their information in various textboxes which are *username* and *password*, *email address*, *first name*, *last name*, *Department*, *date of birth* etc.

A screenshot of a dark-themed login interface. It features two text input fields side-by-side. The first field is labeled "Username" and the second is labeled "Password". Both fields are currently empty and represented by white rectangular bars.

A screenshot of a dark-themed registration form. It contains eight text input fields, each with a label to its left. The labels are: "Email Address", "Password", "Confirm Password", "First Name", "Last Name", "Date Of Birth", "Phone Number", and "City". All fields are currently empty and represented by white rectangular bars.

2.Date picker: It is an input control that allows the user to select a date from the calendar and this information is consistently formatted and input into the system. We are using the *date picker* on Ttextbox followed by *Date of birth*.

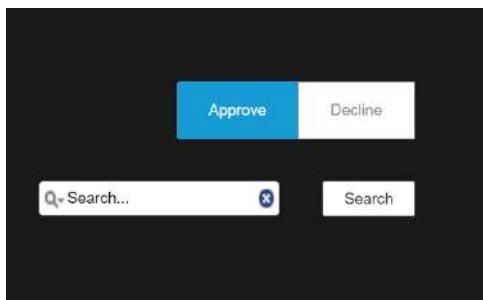


3.Buttons: It indicates an action upon click and is labeled using text. We used different buttons for particular action on all different web pages and are named as *Login, Signup, Save, Cancel, Elevated Access Request, View, Approve, Decline* etc.



Edit User

Email Address	<input type="text"/>
Password	<input type="password"/>
First Name	<input type="text"/>
Last Name	<input type="text"/>
Date Of Birth	<input type="text"/>
Access Type	<input type="text"/>
Phone Number	<input type="text"/>
Department	<input type="text"/>
Address	<input type="text"/>
Postal	<input type="text"/>

A screenshot of a dark-themed "Edit User" form. It contains fields for Email Address, Password, First Name, Last Name, Date Of Birth (with a calendar icon), Access Type, Phone Number, Department, Address, and Postal. At the bottom are "Save" and "Cancel" buttons.

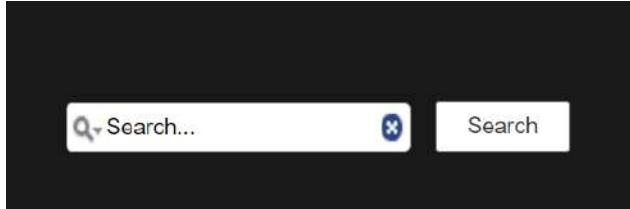
4. Drop down button: It is of a button that when clicked displays a drop-down list of values that allows the user to choose one value from a list. *Drop down* buttons which we used in our web application are: *Access type, Department*.



5. Check-boxes: This graphical control allows the user to select one or more options from a set. It is presented in a vertical list when clicked a check marks appears inside the box and when clicked again the check mark disappears. In this more than one column can be accepted. We used the *Check-boxes* in user's database showing the detailed information of users.

User id	First Name	Last Name	Access Type	Department	Phone Number	Address
001	Amit	Kumar	Regular	Technology	99900909	#23 Brampton
002	Sahil	Shukla	Gamer	Board Games	988989998	#45 Toronto

6. Searchbox: It is a graphical element mostly used in web applications. It is used to carry out search operation to search and retrieve particular information from the database. We are using the **Search** box in web pages.



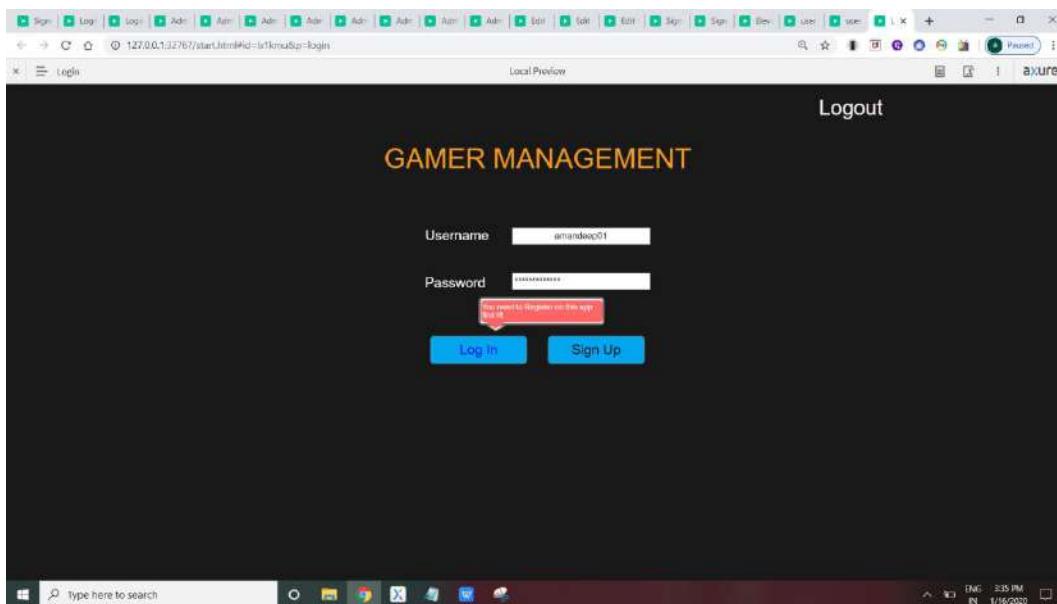
6. Hyperlink: Websites use the hyperlinks to navigate the online content. We have used the text-based hyperlink named as logout on our webpages to link all the pages so that when it clicks on takes you to the new document.

Here **Logout** is used with a hyperlink which will take the user to **login/signup** page.



Error Bubble:

Here, if new user tries to login without register on the application, he will not be able to logged in and see **error message**.



Week-3

Database

4.1 Database Tool Selection

MySQL is considered one of the most popular open source relational database platform that can be easily run on any system such as Windows, Linux and MacOS. Moreover, it is compatible with Structured query language. This application is usually developed with C and C++. The developer is able to create tables, update the record and it also provide the functionality of deleting the records from the table. The MySQL helps the coder to run different query at one time.

Why we chose MySQL Database

Scalability and Flexibility

MySQL database delivers a great deal in scalability, with the capacity to support heavy coded application and run at only 1MB for holding terabytes of data. Flexibility is another attribute of MySQL which function with different platforms such as Windows, Unix and Linux. And the nature of being “open source” transcends exceedingly by giving users the room customization to add requirements to the database server

High Performance.

An Incredible storage house architecture facilitating professionals to configure the

MySQL database server especially for a particular application, with the outcome being an amazing performance result. Either the system could be a high-speed transactional system or a high web site with a billion queries a day.

Robust Transactional Support.

MySQL delivers one of the most powerful transactional database engines available in workplace. Data integrity is assured by server enforced referential integrity, specialized transaction isolation levels, and instant deadlock detection also includes feature like ACID (atomic, consistent, isolated and durable)

Strong Data Protection.

It is an important key of every database and web application to provide protect data stored for security of the information. MySQL provides powerful security to the database which protects the data ensuring all users authentication and consider all measures of protection. Backup and Recovery utilities are also there in case of data loss that includes logical and physical task. I also secure the data entry into the server with the capability of Block user.

Management Ease

MySQL has an ability to easily access the database including migration tools. It also provides the ability to troubleshoot in case of any issue and operations to control the database access. It also increases the quality of the monitoring and interpreting data.

Requirements of Database

Database requirements will be evaluated on the bases of four 's.

- Structure
- Speed
- Size
- Scalability

Gathering Requirements:

In this phase, we need to figure out the database requirements by meeting the client to find out the functional requirements which will be documented. In this document, each and every requirement will be included related to the web application.

Moreover, the Data Analyst and users will discuss the requirements includes analysis of data elements, what kind of data they want to store.

The Data requirements document will include a brief summary of user requirements that gives a keen understanding about the product. It should be easily understandable, simply encoded to give a clear picture of data requirements.

The requirements should characterize the data items, attributes, constraints, and relationship between the data items not the way, how data is being processed.

Analysis:

In data analysis, along with the data requirements, the main role in this phase is to find out the elaborated description of the data to support high- or low-level properties of data. The probable range of values allowed for attributes.

For example: in the Gamer Management, user id, Department name, Access name etc.

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Design: Explaining the working of the web application using flowchart:

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Implementation:

It involves the structure of the database on the bases of database requirement and system specifications. It also includes the properties in terms of storage, security, speed, performance etc. Moreover, database tools and operating workstation will also be considered. Database will be developed according to the constraints, tables contain what data, issues regarding data.

Overall, the database design will be matched while implementing according to the user need and system.

Testing:

Here, Testing will be performed on the bases of designed documents and requirements. A report will be generated, which includes the list of errors, issues, that will be audited.

Overall, the database generated will be evaluated by considering system and user requirements. If there is any issue, further action will be performed to resolve them.

Maintenance:

It involves solution to the adjustments or any transformation in the requirements or implementations. Secondly, to resolve the errors regarding porting of the system to different platform.

In other words, drifting the system from a single PC to a UNIX workstation or network platform.

4.2 Database Tables/Fields

Here, we have database named GAMER and we are storing data in **MYSQL**.

Here, we are showing the tables made under the database ‘gamer’.

Here we are showing the tables individually.

ADMIN table has fields- *ADMINID, PASSWORD, FNAME, LNAME, DOB, CITY,*

CONTACT. Where ADMINID is a primary key.

LOGIN table has fields – *USERID, PASSWORD* where *USERID* is a primary key.

USER table, where the fields are – *ID, FNAME, LNAME, DOB, CITY, CONTACT.*

Where *ID* is a primary key.

ACCESS_REQUEST table has fields – *REQUEST_ID, REQUEST_TYPE.*

Here,

REQUEST_ID is a primary key.

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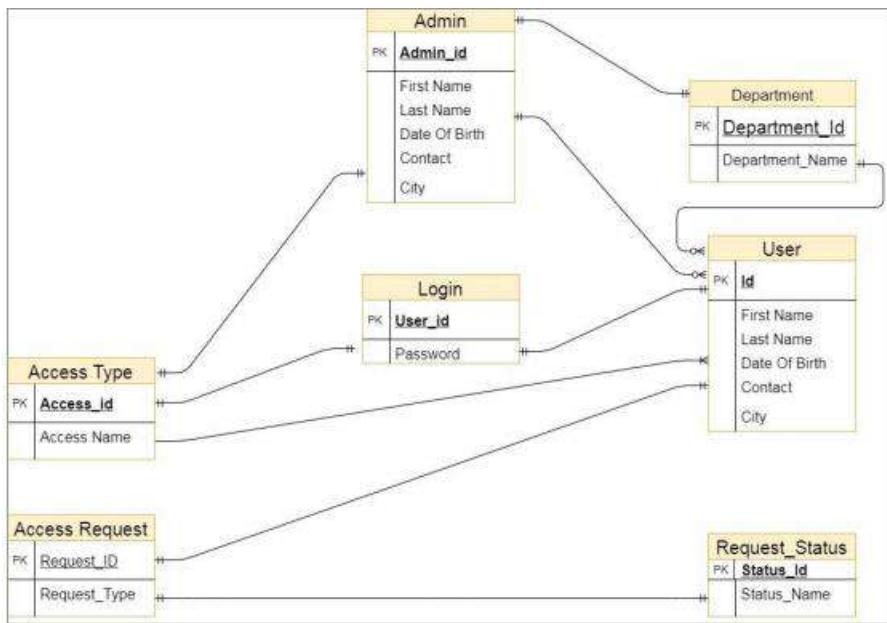
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REQUEST_STATUS table where the fields are *STATUS_ID, STATUS_NAME* and

STATUS_ID is a primary key.

DEPARTMENT table has fields *DEPT_ID, DEPT_NAME* and *DEPT_ID* is primary key.

4.3 Database ERD



Week- 4



Submitted to:

William Pourmajidi

Date:30/01/2020

SUBMITTED BY: -

AMANDEEP KAUR C0744703

GURPREET CHAHAL C0742780

NAVNEET SINGH C0749303

KARANVIR SINGH C0745204

GITHUB

GitHub is a server used to save our data or projects, which includes

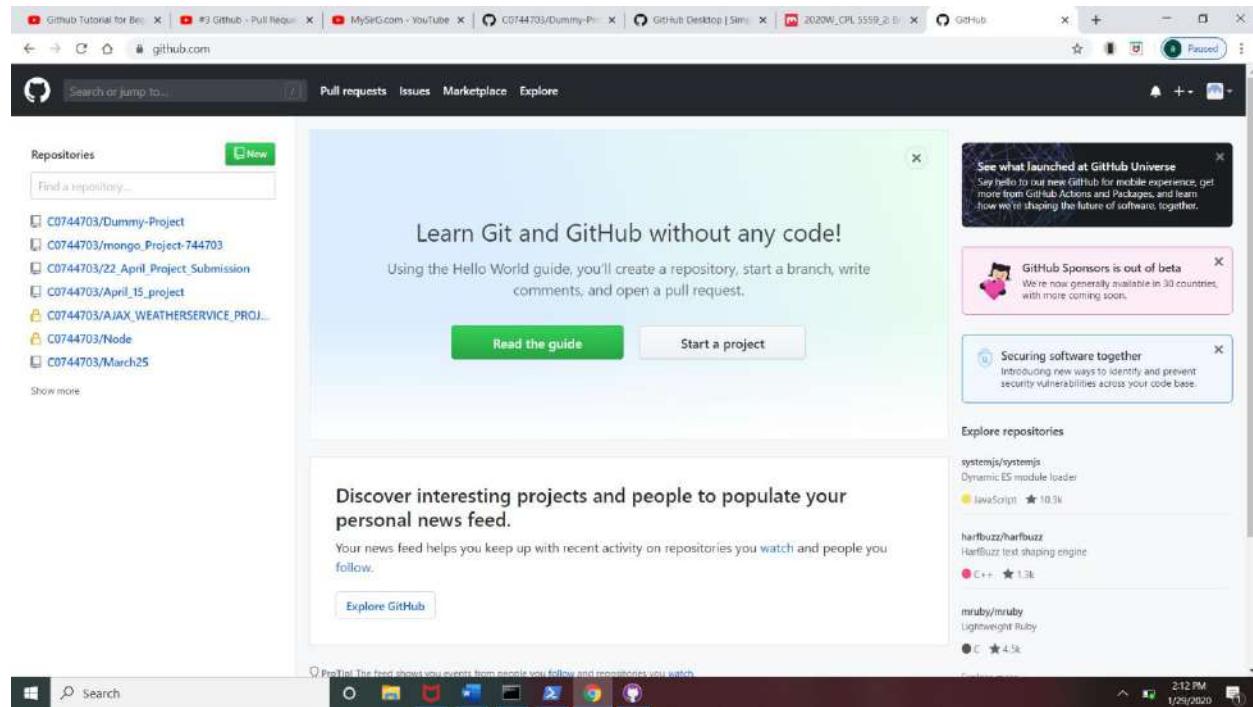
- Branch – when we create any repository, by default name of branch is master, if we do any changes, the changes will be saved in master branch. We can make further new branch by master branch and the whole code will be saved in that new branch.
- Commit – make changes in existing fil in any repository, and saving those changes is called commit.
- Push - to push files from local system to git hub server.
- Pull – to pull the files from GitHub server to our local system.
- Clone: to download the Project files in the repository to our system with all commit changes and when including all activities to our desktop. Now after this, our desktop system will be act as a local server and GitHub will be GitHub server.
- Push – If any changes into local system and those want to be saved in GitHub Server then we use Push.
- Pull- If any changes made on GitHub server and want to save it to our local server then we use Pull.

What is clone why we do this?

- Clone is used to make a local copy of a remote repository. Remote Repository is path where your file is saved.
- If you want to access or run any other's project or file then we use clone (its local copy).

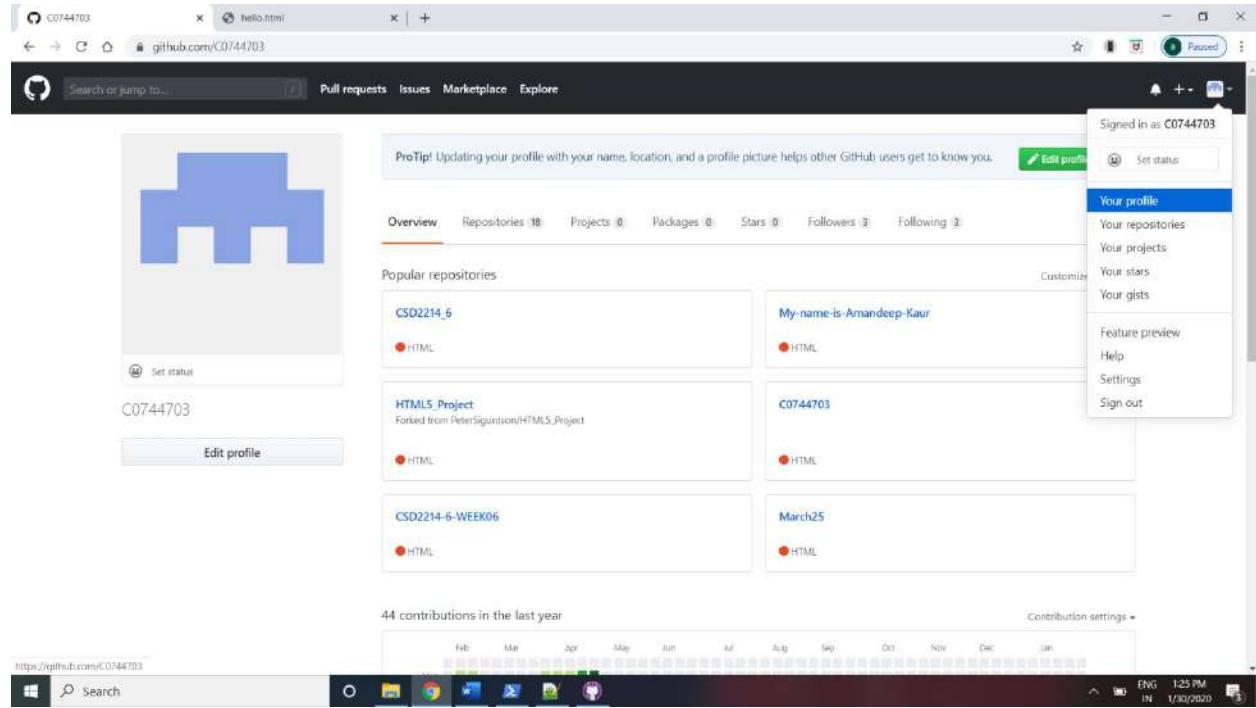
Here, I signed up in my Git Hub account as I used it earlier, I already have an account on Git hub. If we do not have any account then we need to sign up first.

Image-1



2. In image 2,we can see our sign in id, Your Profile, Your Projects tabs.

Image-2



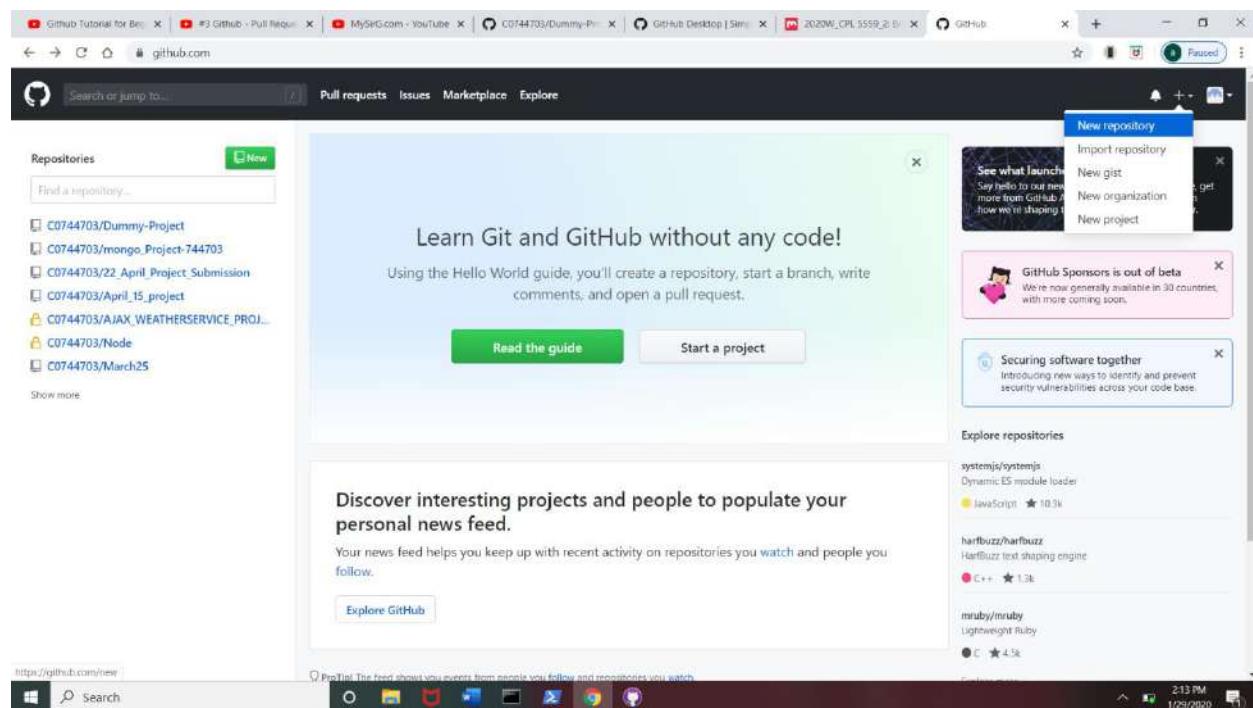
If I click on ‘Your Profile’, then I can see my Profile details including my name, status, repositories etc.

In Image-3, if we go on + sign, we can select option, “*New repository*” to make a new repository. With this we can see more options like *Import repository*, *New gist*, *New organization* and *New project*.

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Image-3.

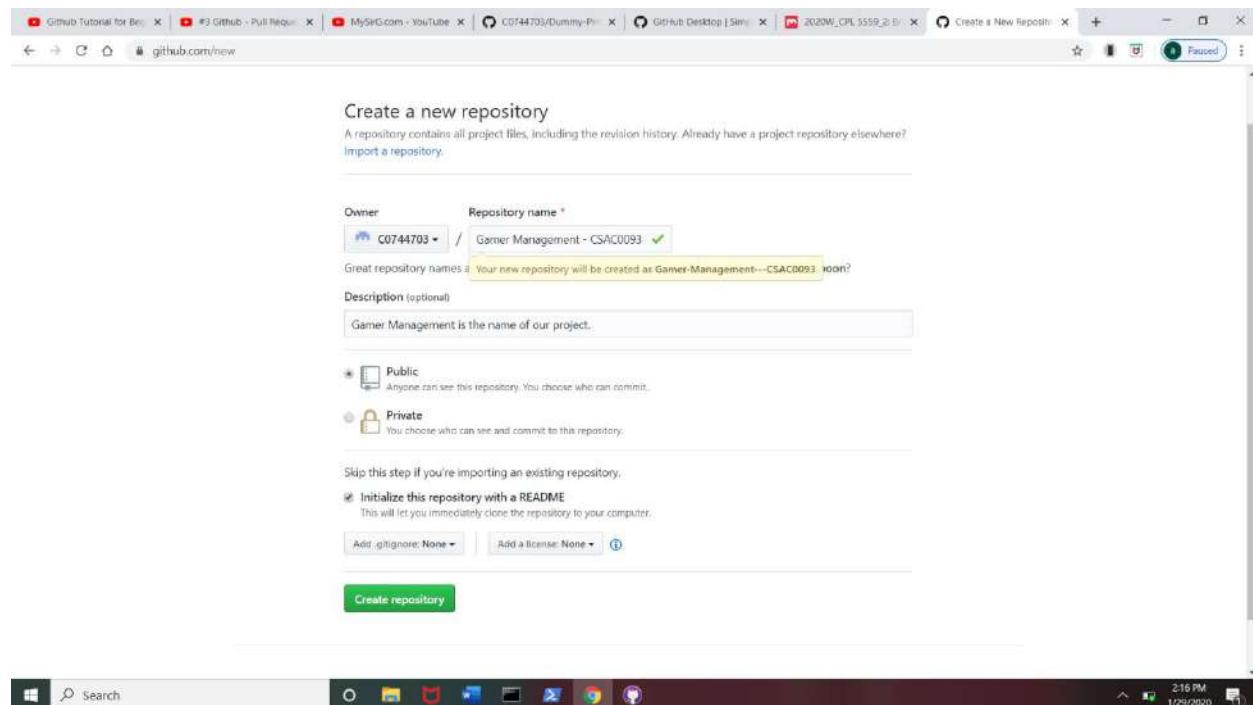


In Image-4, we clicked on “*New Repository*” option and created new repository by filling details like “*Repository name*” and we have to select one option from *Public* or *Private*. If we want to make private repository so that other people cannot access it, then we select *private* otherwise we select *Public*.

Further, we have an option by checking the checkbox to make this repository as a *README*.me which means that it will let us *clone* our repository to our workstation.

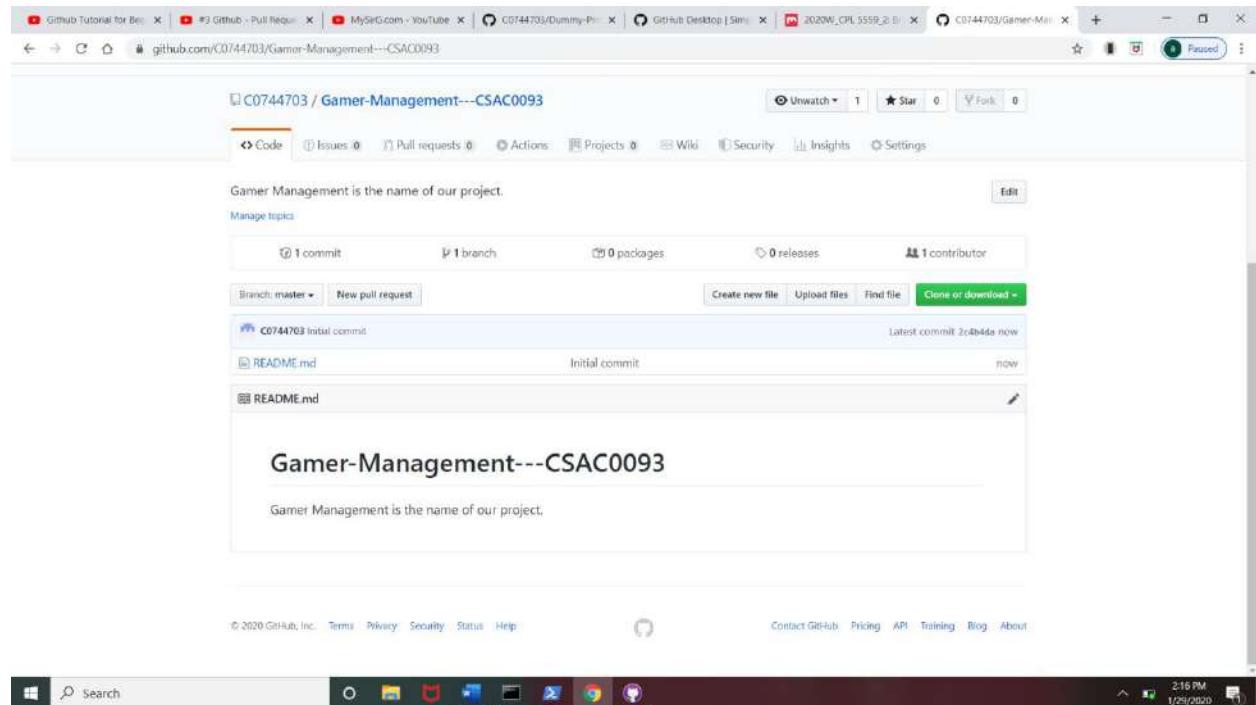
Then we click on *Create repository*.

Image-4.



In Image 5. We can see our repository with name Gamer-Management---CSAC0093.

Image 5.



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In Image 6. And Image 7. We can see our repository or repositories made by selecting “*Your Repository*” option.

Image 6.

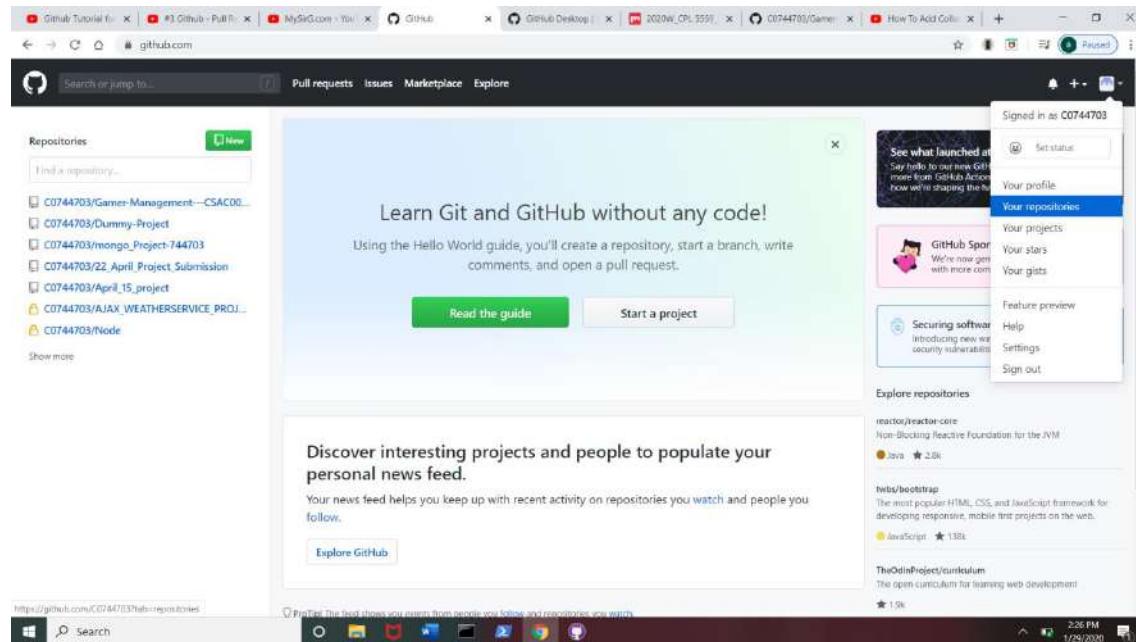
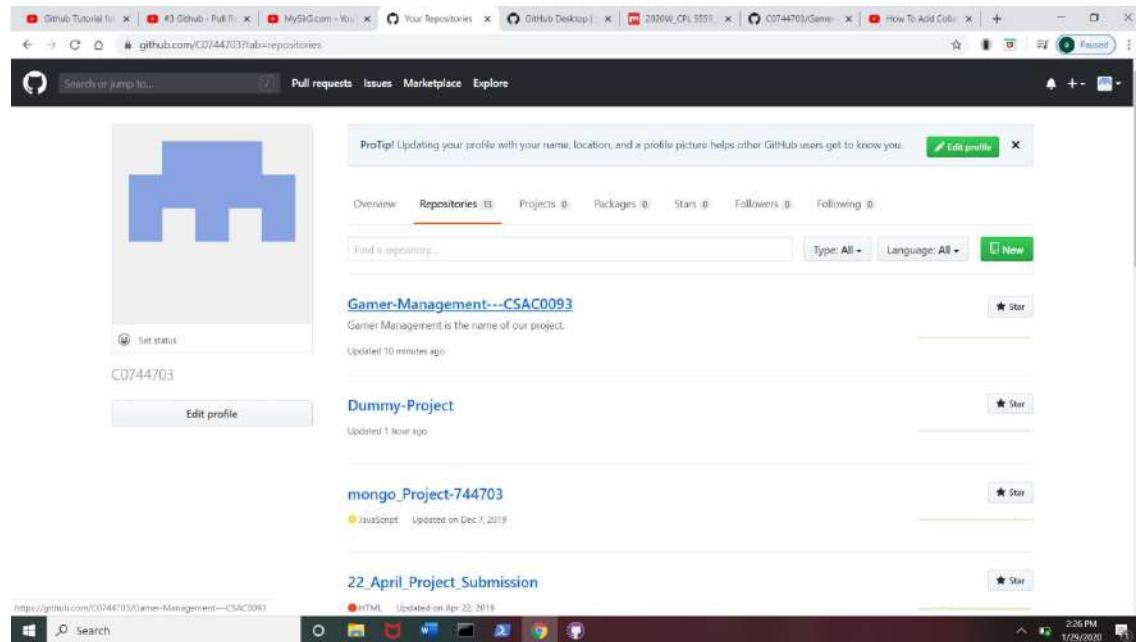


Image-7.

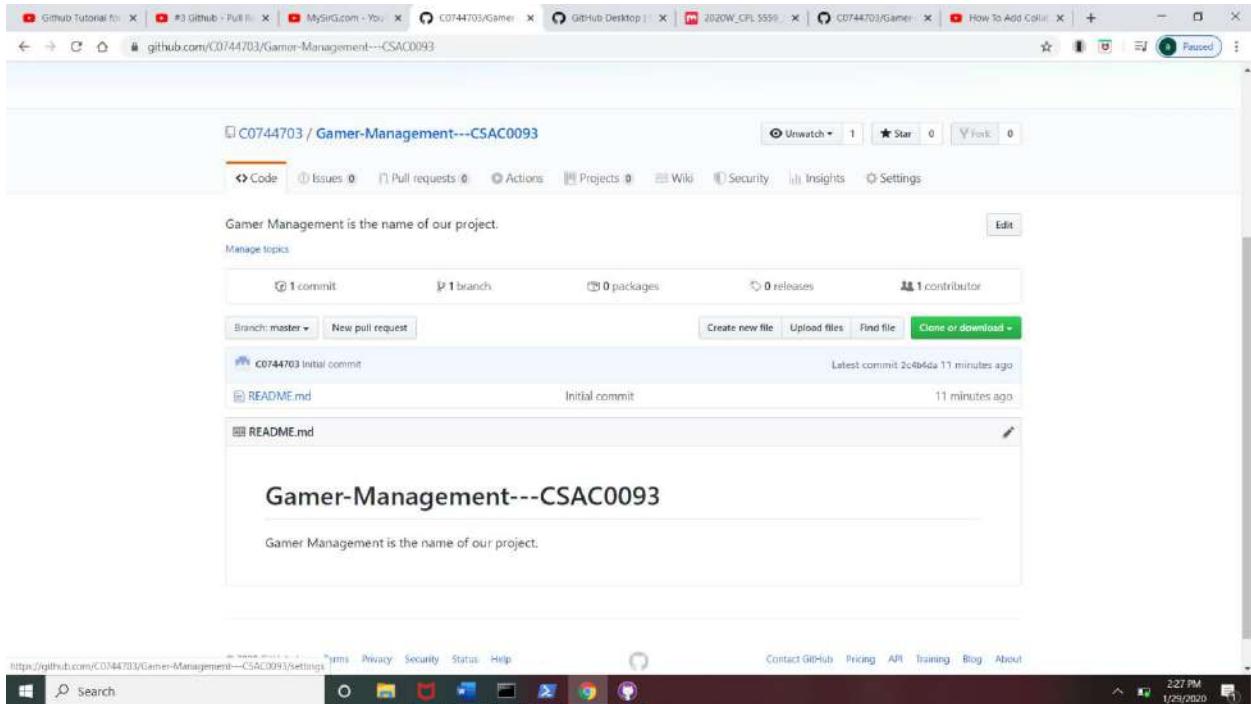


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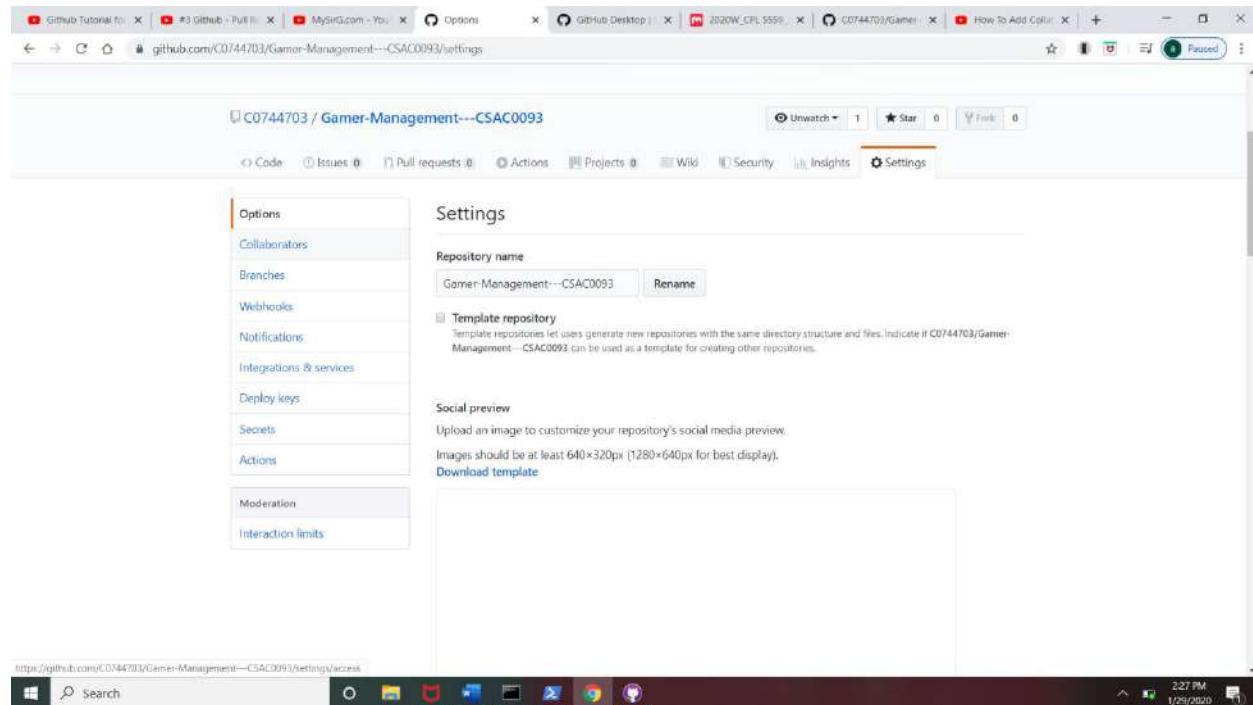
In Image-7, we can see our repository by clicking on the name of Repository made.

Image-7



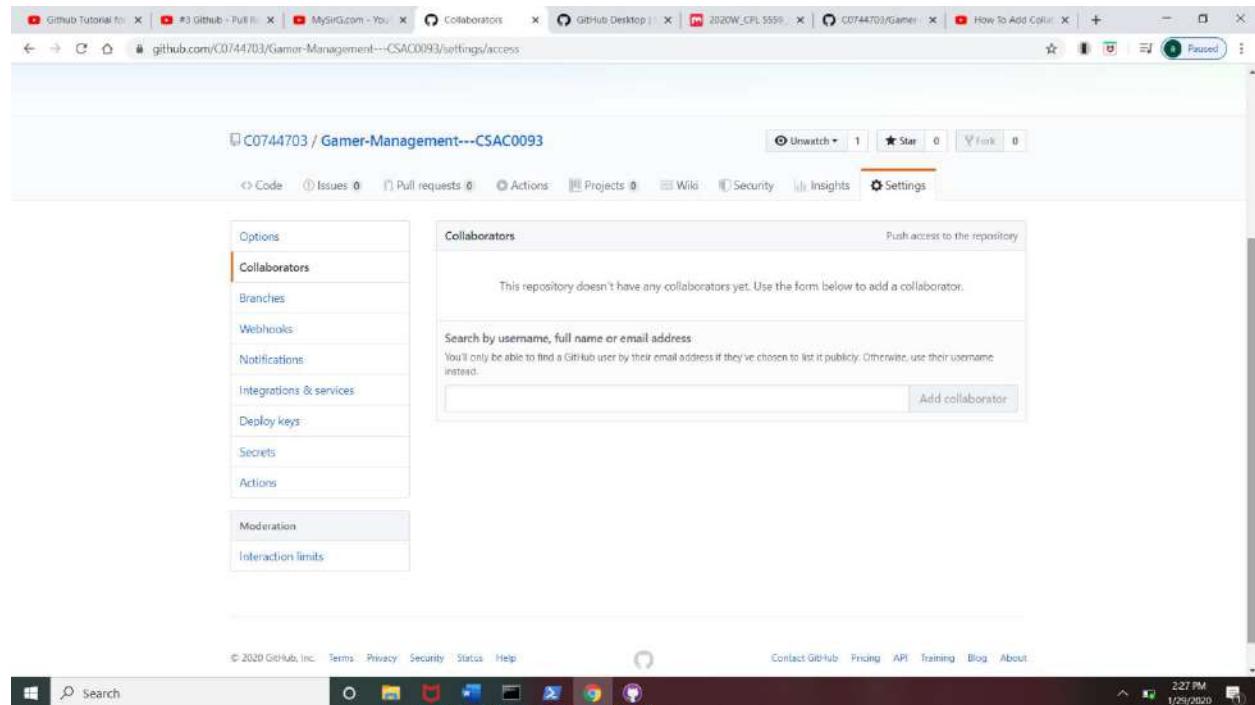
In Image-8, If we select “*Options*” under which we can see our repository name and we can edit the name too.

Image-



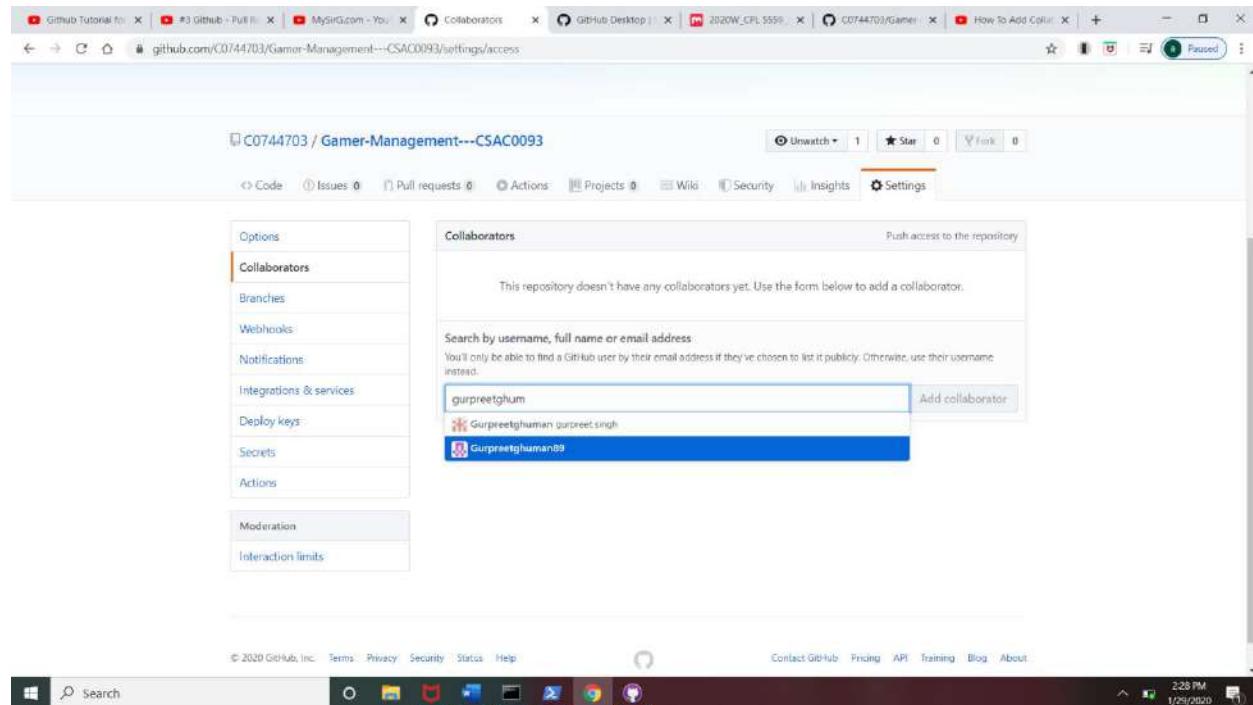
In Image-8. We can add more people or team members to our GITHUB repository by selecting “*Settings*” and selecting “*Collaborators*”.

Image- 8.



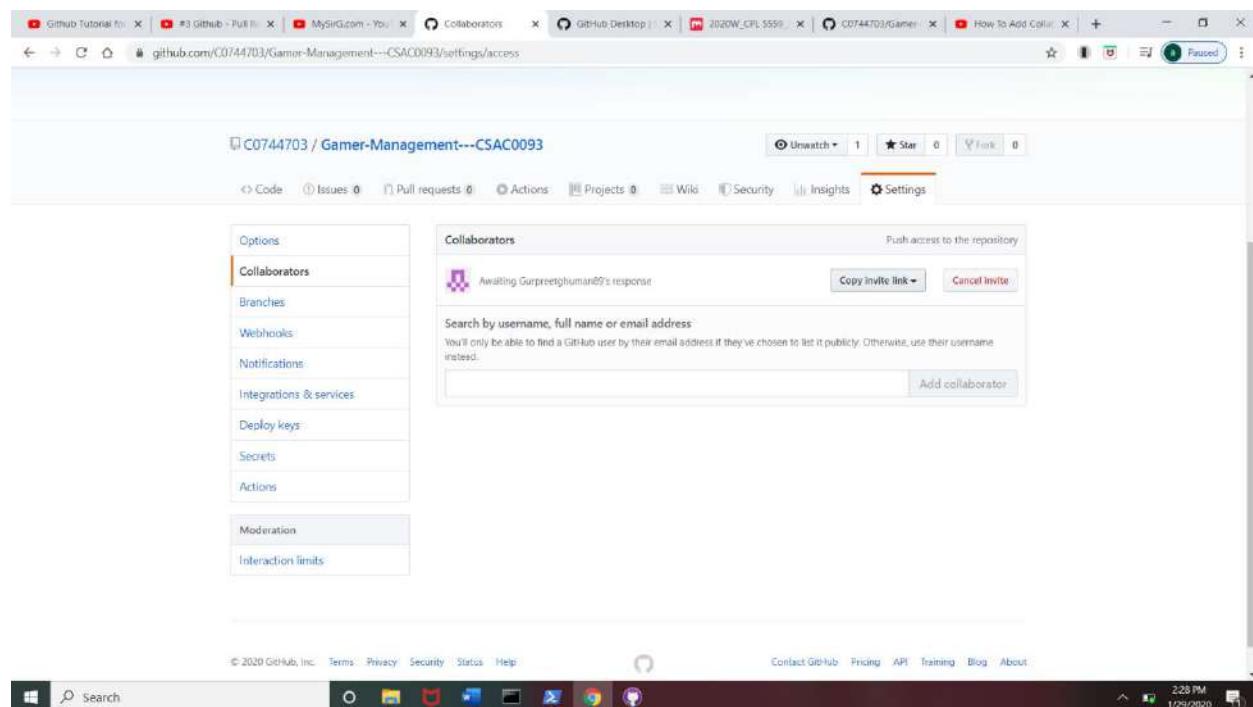
In Image-9, we can search the person by its GitHub id as I added Gurpreet Chahal with id “Gurpreetghuman89” and press **Add collaborator** button.

Image-9.



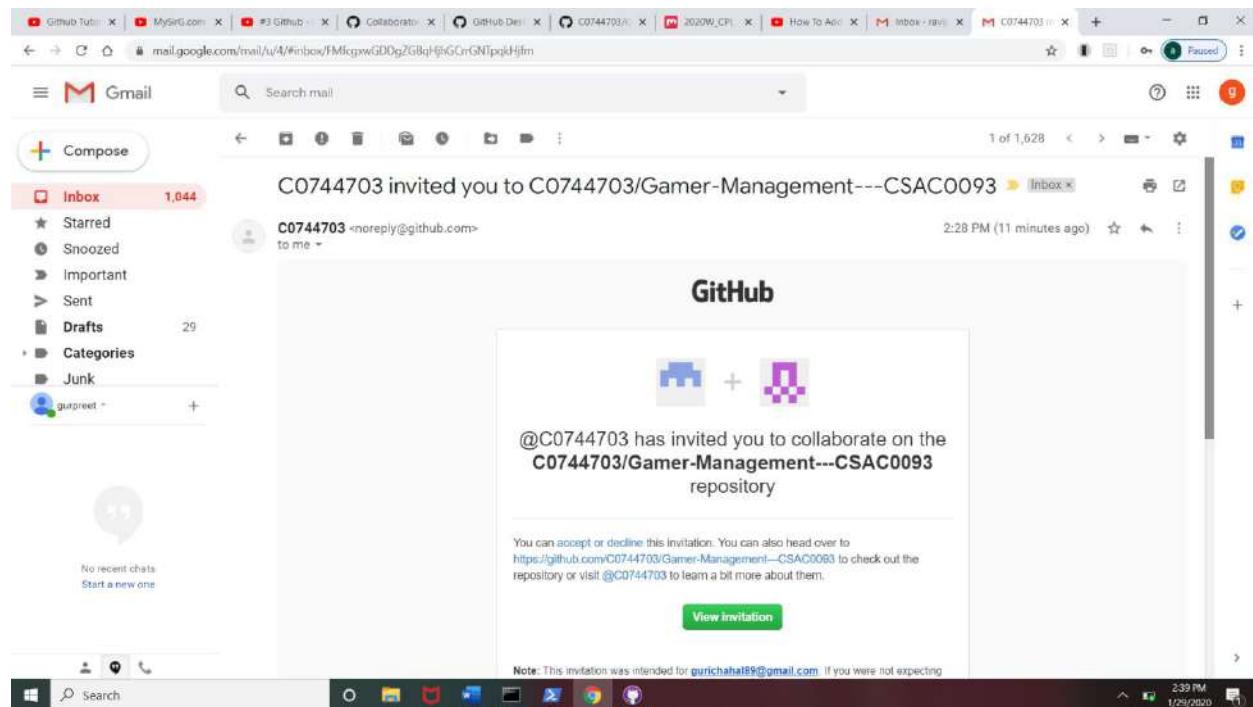
In Image- 10, After sending request to other people, It ill show status as “*Awaiting Gurpreetghuman89*”. And the person will receive request in his registered email id or, We also can copy the link by clicking on **Copy invite link** and sent it to email id of that person or we can cancel the Invitation too by clicking **Cancel Invite** button.

Image – 10.



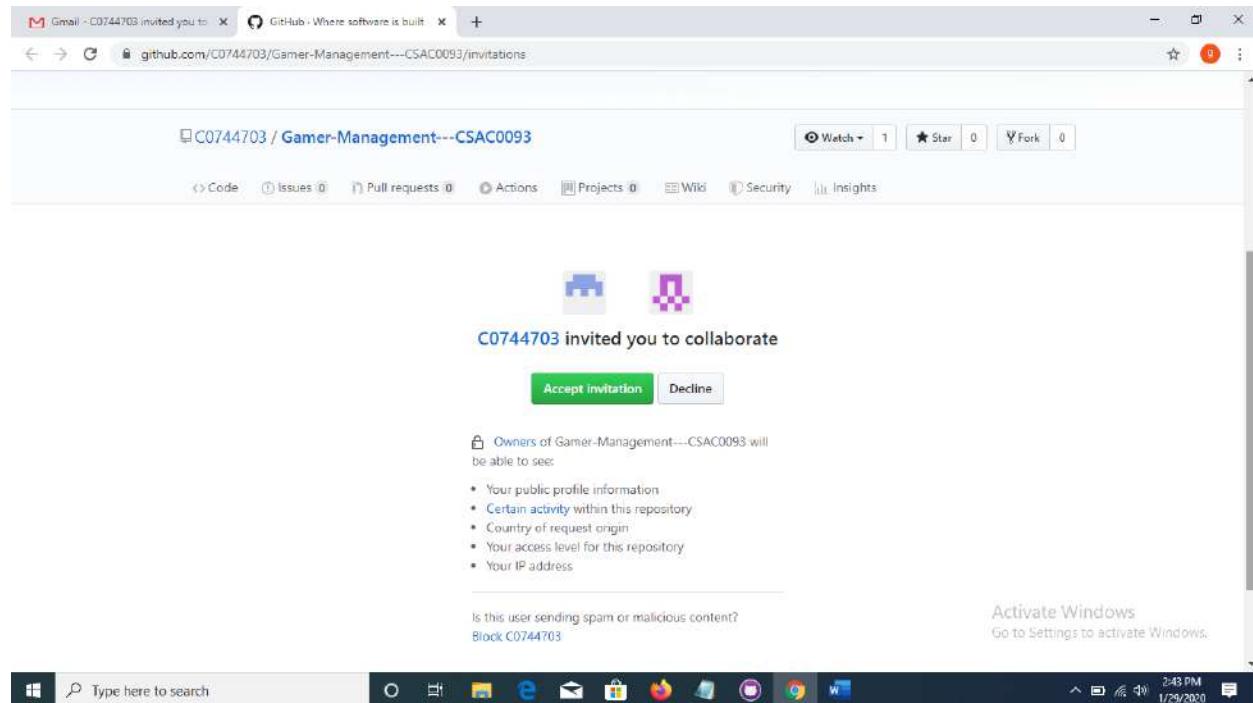
In Image- 11, The person has received the request in email id, where it shows **View Request** button.

Image – 11.



In image 12, the person accepted the **Accept invitation**. Or decline the request by **Decline** button.

Image – 12.



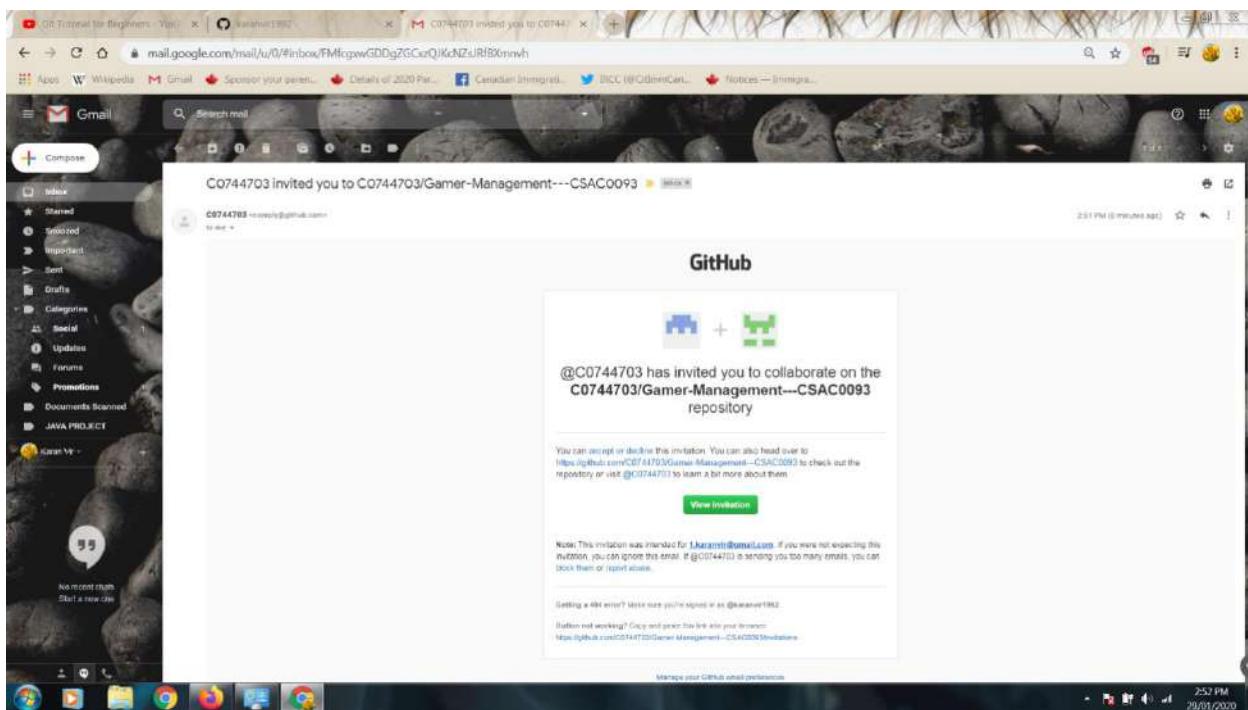
In Image – 13, here we can see the person has accepted the request and added in the repository. And further I added another team member Karanvir Singh with id ‘Karanvir1992’.

Image – 13.

The screenshot shows a web browser window with multiple tabs open at the top. The main content is a GitHub repository settings page for 'Gamer-Management--CSAC0093'. The 'Collaborators' tab is active. On the left, there's a sidebar with options like Options, Collaborators (which is selected), Branches, Webhooks, Notifications, Integrations & services, Deploy keys, Secrets, Actions, Moderation, and Interaction limits. In the center, there's a search bar with 'Search by username, full name or email address' placeholder text. Below it, a dropdown menu shows a result for 'karanvir1992'. At the bottom right of the search area, there's a green 'Add collaborator' button. The status bar at the bottom of the browser shows '2:51 PM' and '1/29/2020'.

In Image – 14, Team member Karanvir viewed the request in his email id.

Image – 14.

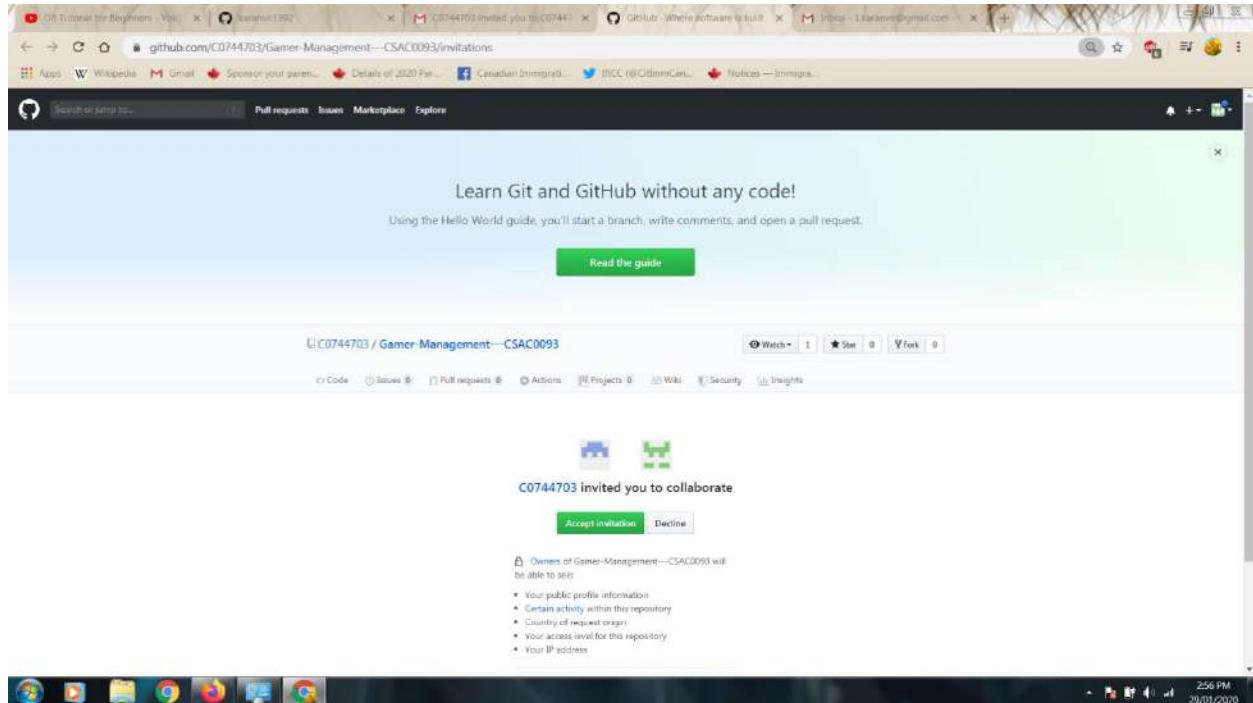


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In Image – 15, Karan accepted the request.

Image - 15.



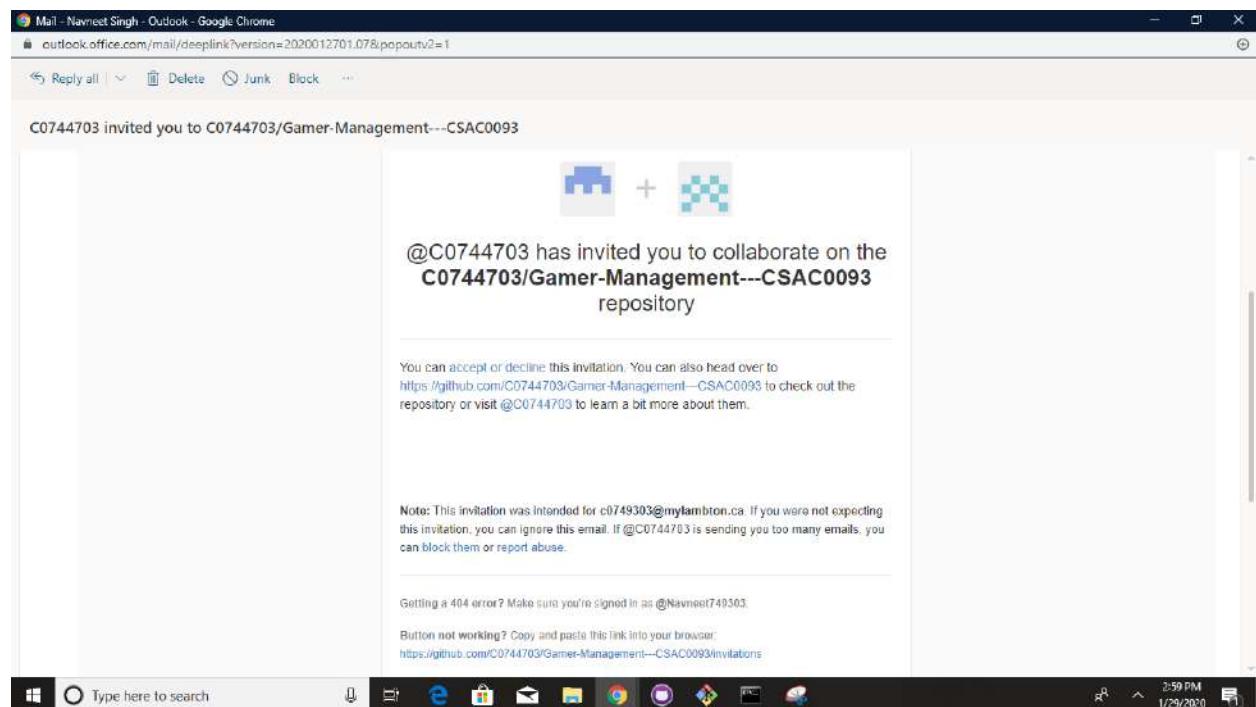
In Image – 16, I sent request to my 3rd team member Navneet with id ‘Navneet74930’.

Image – 16.

The screenshot shows a Microsoft Edge browser window with multiple tabs open at the top. The main content is the GitHub repository settings page for 'C0744703 / Gamer-Management---CSAC0093'. The 'Collaborators' tab is selected. It lists one existing collaborator, 'Gurpreetghuman89', and a pending invite for 'Awaiting Karanvir1992's response'. A search bar is active, displaying the ID 'Navneet74930', which is highlighted with a blue selection bar. Other tabs visible in the browser include 'GitHub Tutorials', 'MySQL GUI', 'P3 GitHub', 'Collaborators', 'GitHub Dev', 'C0744703', '2020W_Lab', 'How To...', 'Inbox', 'C0744703', and 'Collaborators'.

In Image – 16, Navneet received the request in his email-id.

Image – 17.

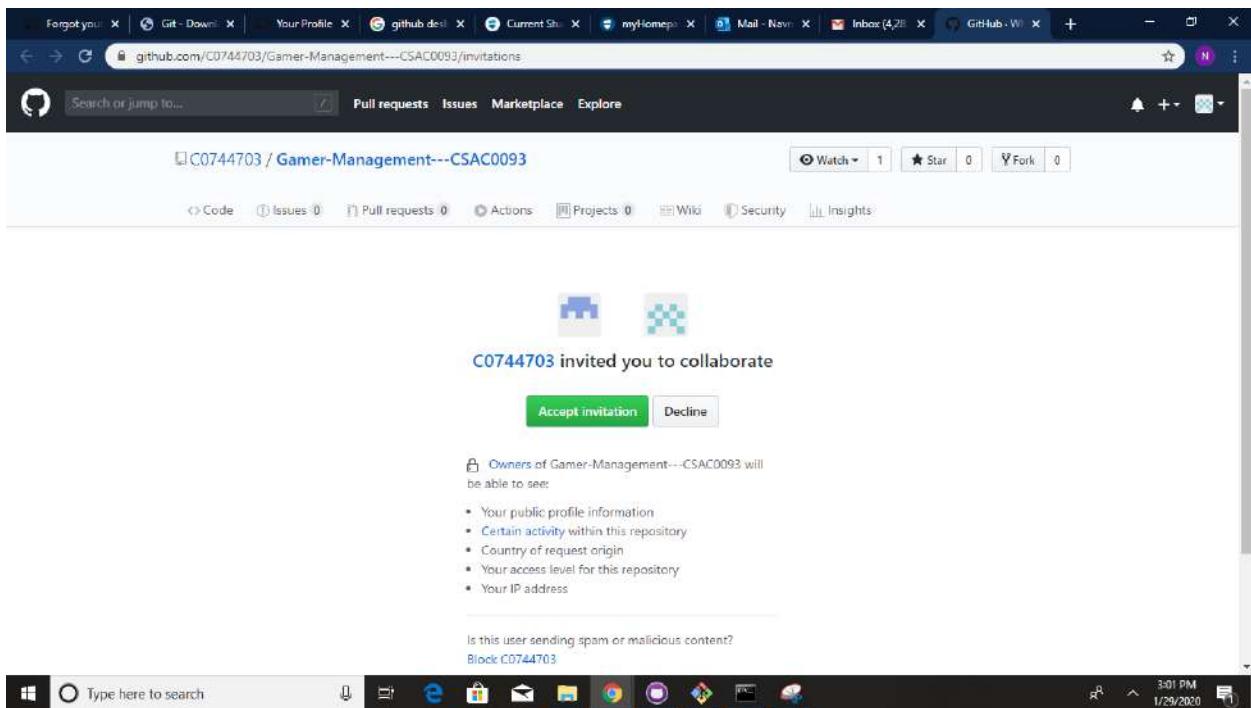


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In Image – 18, Navneet accepted the request.

Image – 18.



In Image – 19, we can see our three team members.

Image-19.

The screenshot shows a Microsoft Edge browser window with the following details:

- Address Bar:** Shows the URL `github.com/C0744703/Gamer-Management--CSAC0093/settings/access`.
- Header:** Displays tabs for "Collaborators", "Inbox - rawjouri00@gmail.com", and "(no subject) - kuraramandeep20".
- Content Area:** A guide titled "Using the Hello World guide, you'll start a branch, write comments, and open a pull request." with a "Read the guide" button.
- Repository Header:** Shows "C0744703 / Gamer-Management--CSAC0093" and navigation links for Code, Issues, Pull requests, Actions, Projects, Wiki, Security, Insights, and Settings.
- Collaborators Tab:** Selected, showing a list of users with their GitHub icons:
 - Gupmittghuman00
 - karanvir1992
 - Navneet749303A search bar below the list allows searching by username, full name, or email address.
- Sidebar:** On the left, under "Options", the "Collaborators" tab is highlighted, along with other settings like Branches, Webhooks, Notifications, Integrations & services, Deploy keys, Secrets, Actions, Moderation, and Interaction limits.
- System Tray:** At the bottom right, it shows "ENG 2:30 PM IN 1/30/2020".

In Image – 20, we can upload file or files in our GitHub repository by selecting the repository in which we want to add the file and selecting **Upload File** button.

Image – 20.

Gamer Management is the name of our project.
Manage topics:

12 commits 2 branches 0 packages 0 releases 3 contributors

Branch: master New pull request

C0744703 Added names of the Team Members in Readme file. Latest commit: 10b6380 2 hours ago

README.md Added names of the Team Members in Readme file. 2 hours ago

README.md

Gamer-Management---CSAC0093

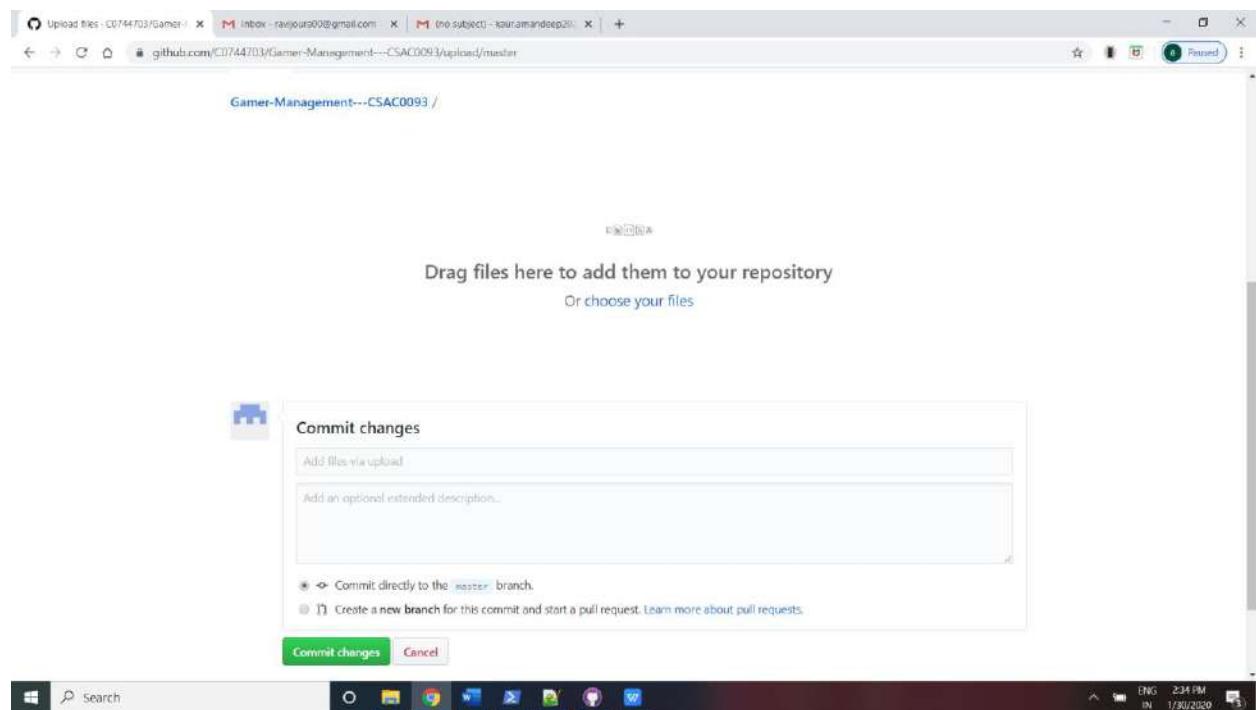
The project is Gamer Management.

And the Team members are :

Open Kaur C0744703

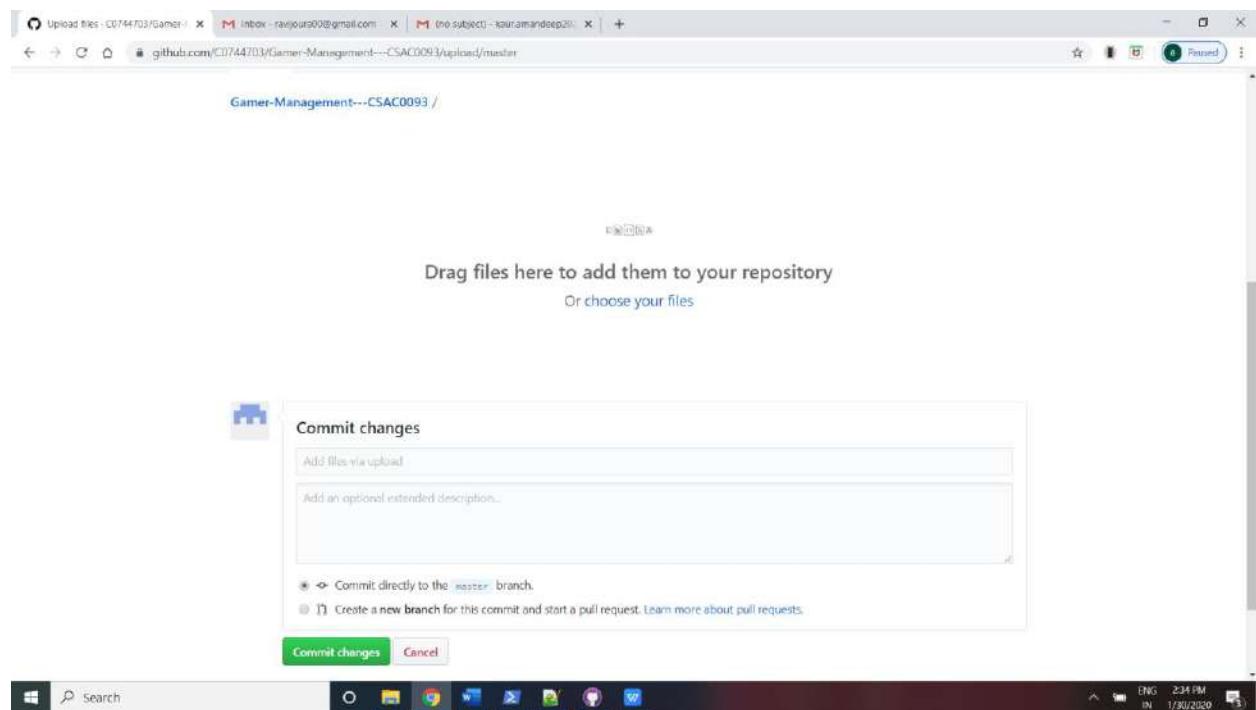
In Image – 21, when we click on **Upload File** button, after that we will see this screen.

Image – 21.

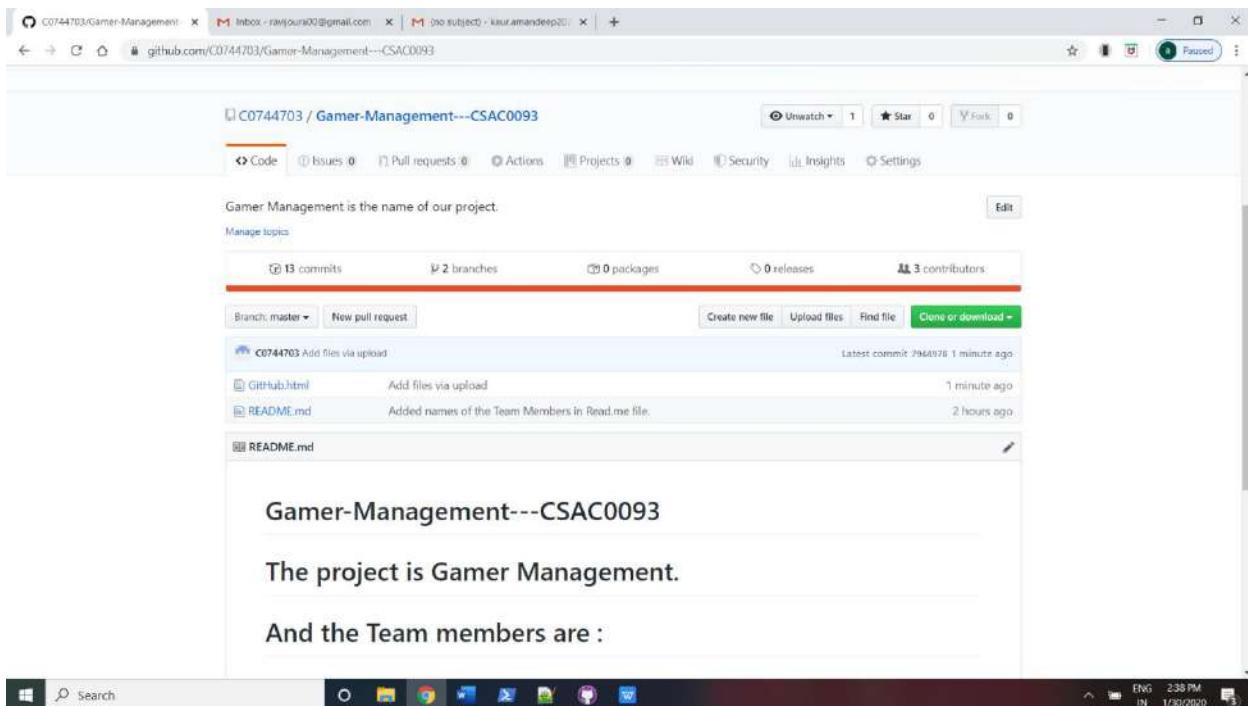


In Image – 22, we will upload the file from our PC, and click on **Commit changes** button.

Image – 22.

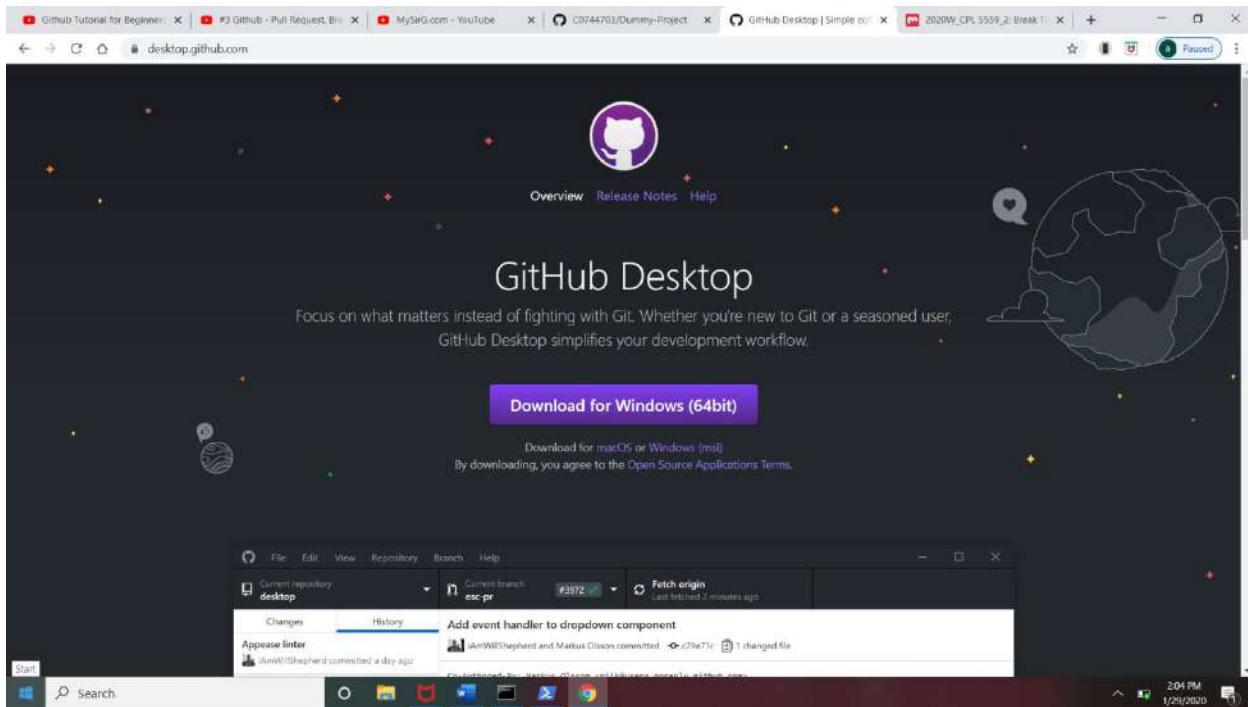


In Image – 23, we can see our file uploaded in the repository, file name is GitHub.html.



In Image – 24, Now If we want to clone our file to our desktop workstation, we need to download GitHub desktop.

Image 24.



Now Image - 25, 26, 27, 28, 29, and Image – 30 shows the downloading process of Git Hub Desktop

Image – 25.

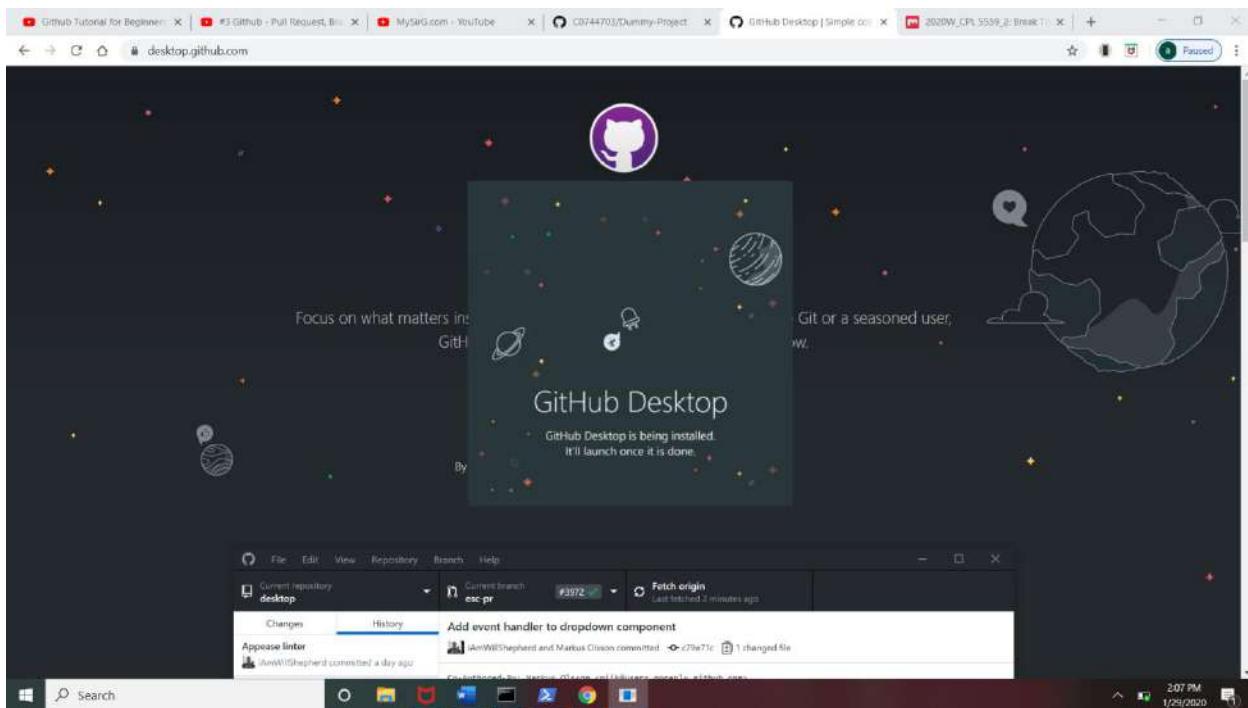
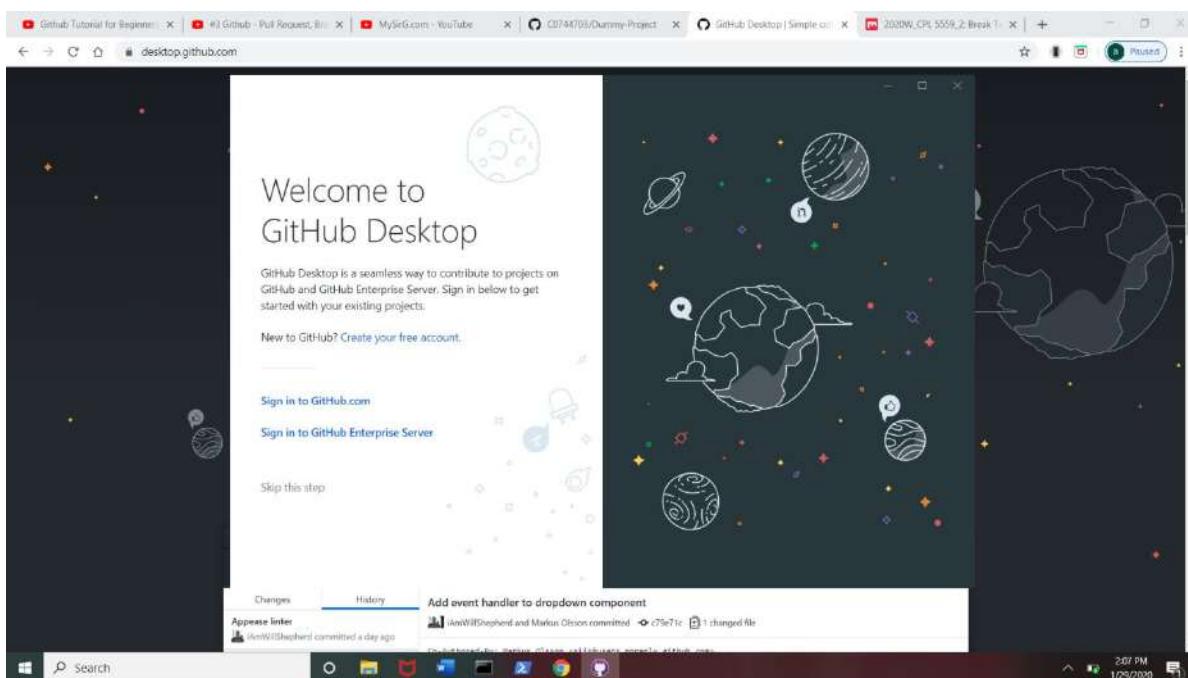


Image – 26, here we sign in with GitHub id.



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Image - 27

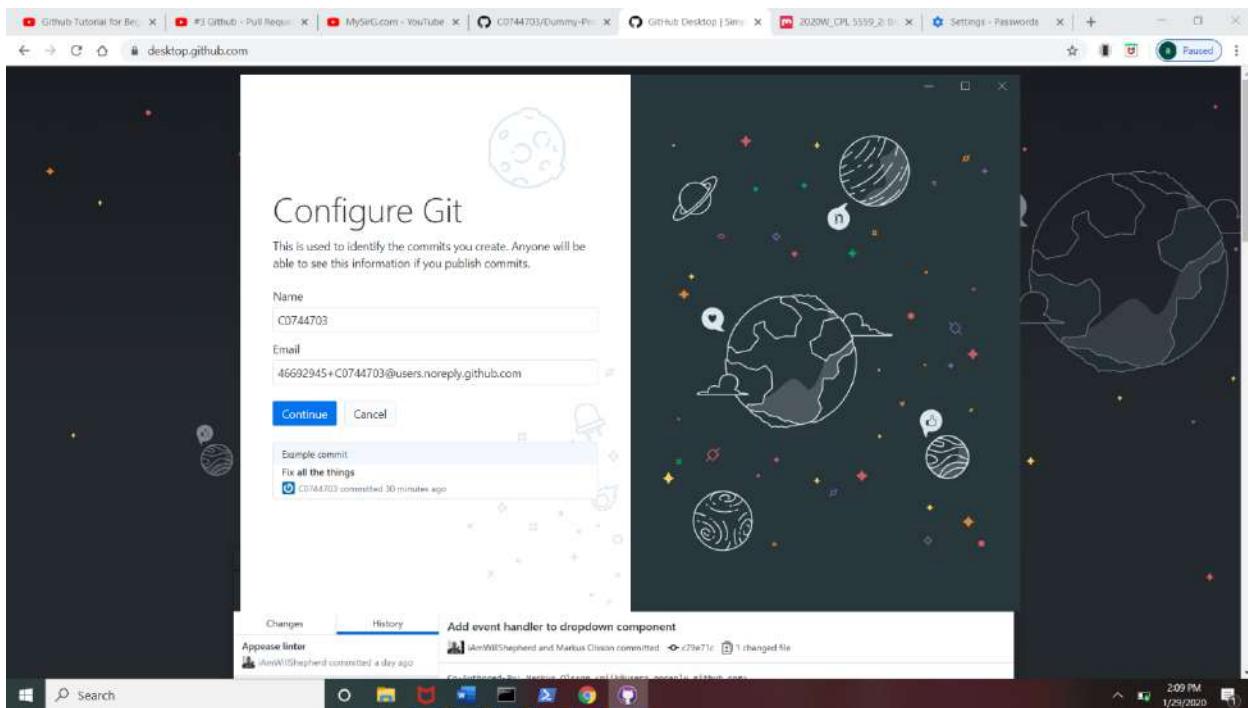
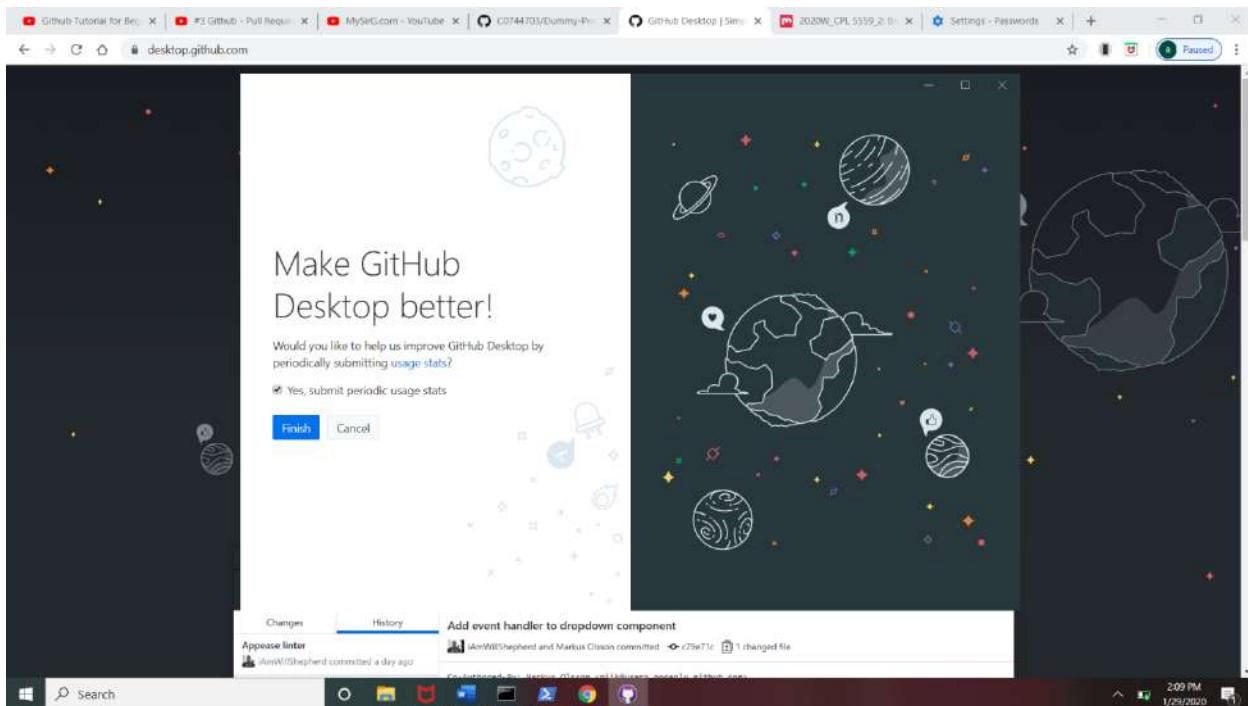


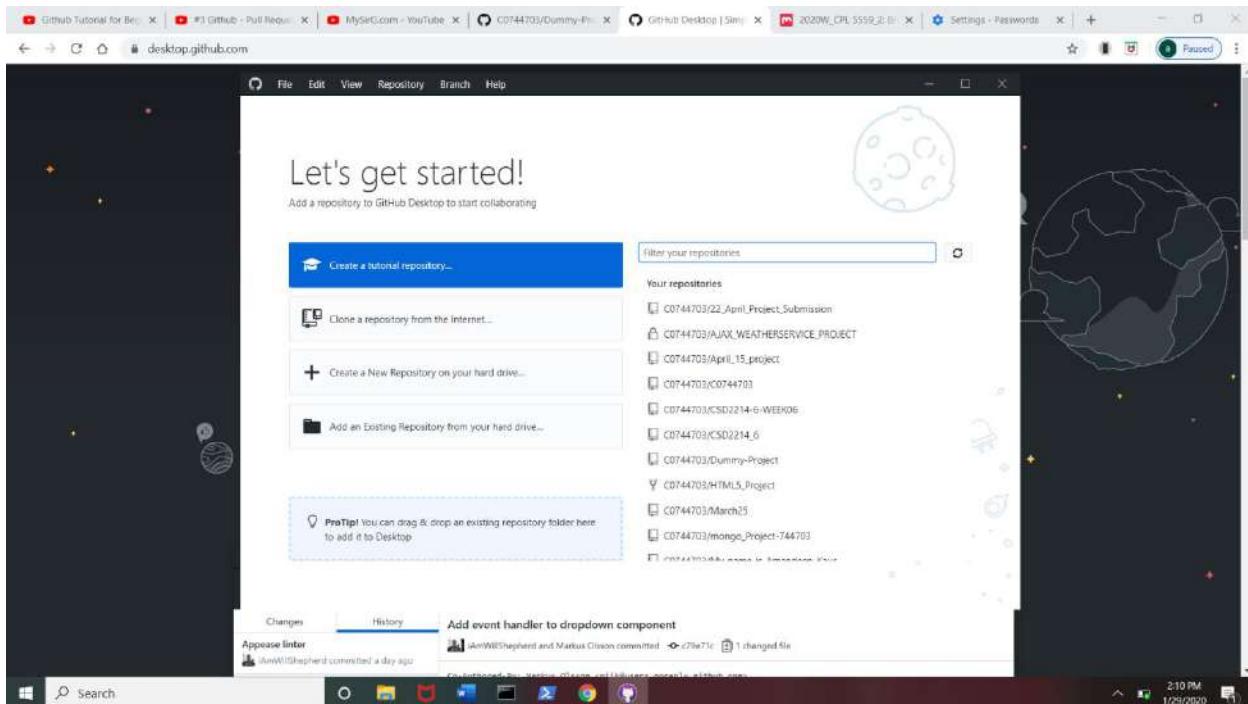
Image 28.



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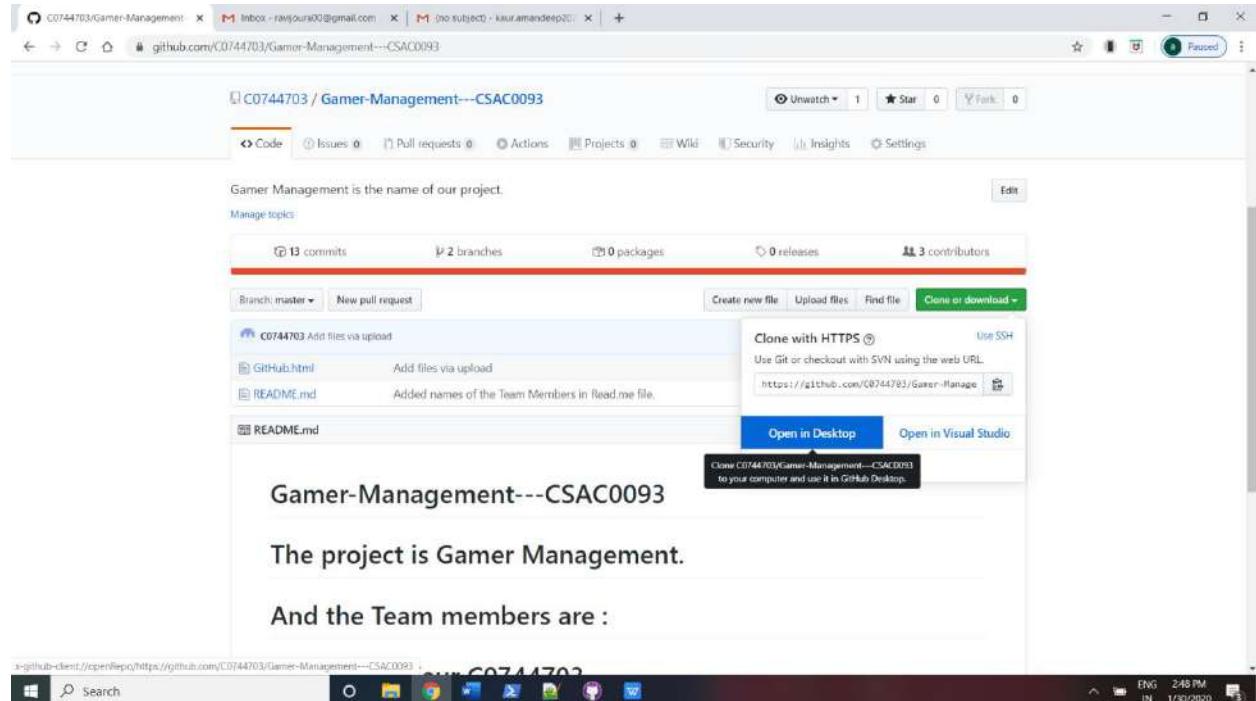
Image - 30



In Image – 31, to download or clone our file from GitHub to our workstation , we will click on

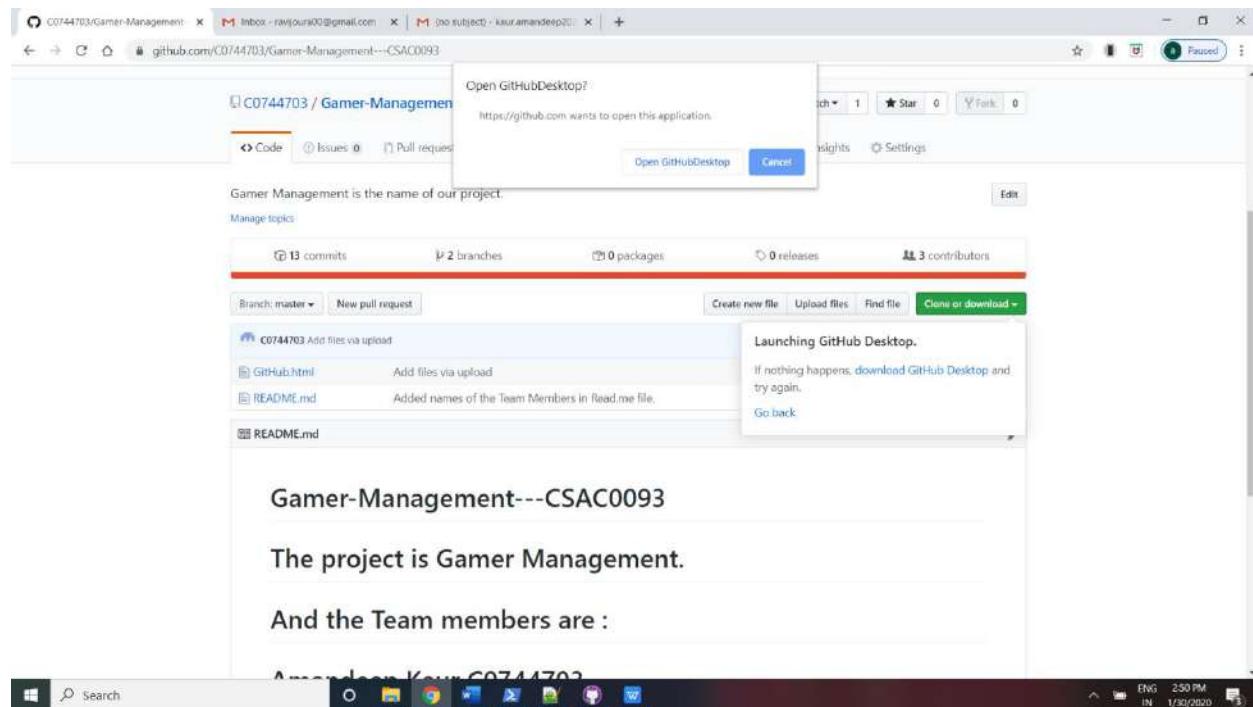
Clone or Download button and select the option “*Open in Desktop*”.

Image – 31.



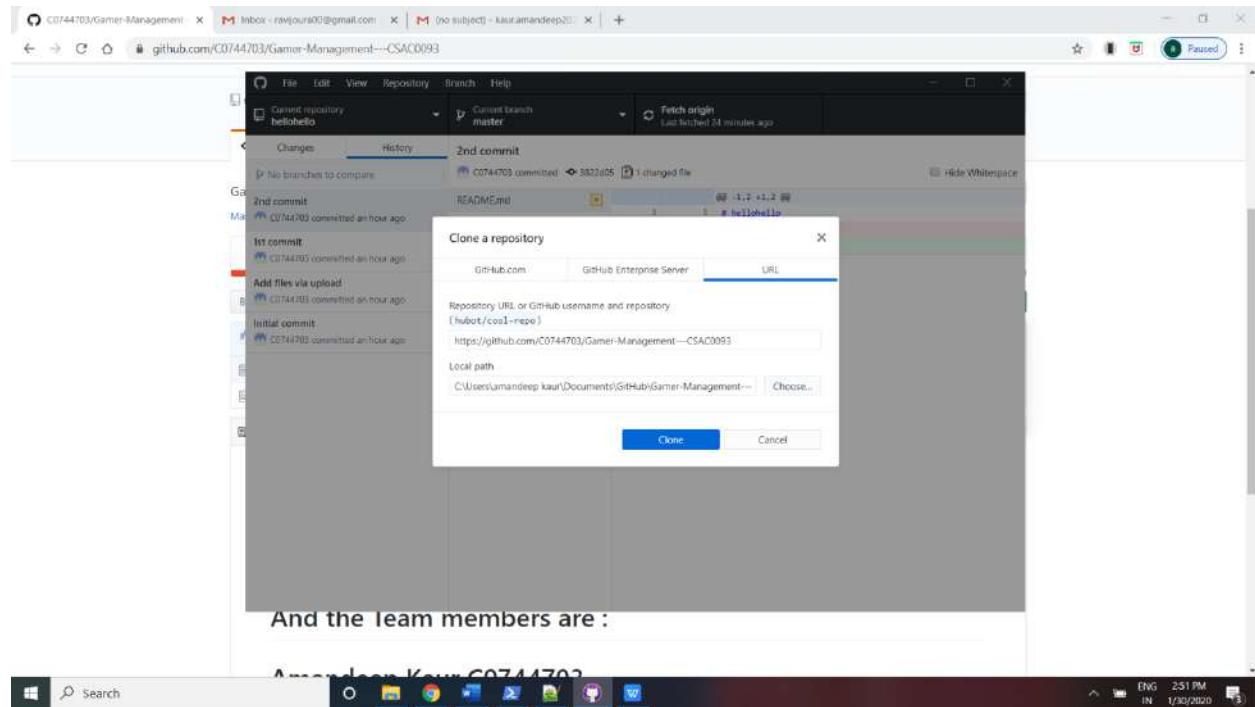
In Image – 32, After clicking on “*Open in Desktop*” option, we will see this screen .

Image – 32.



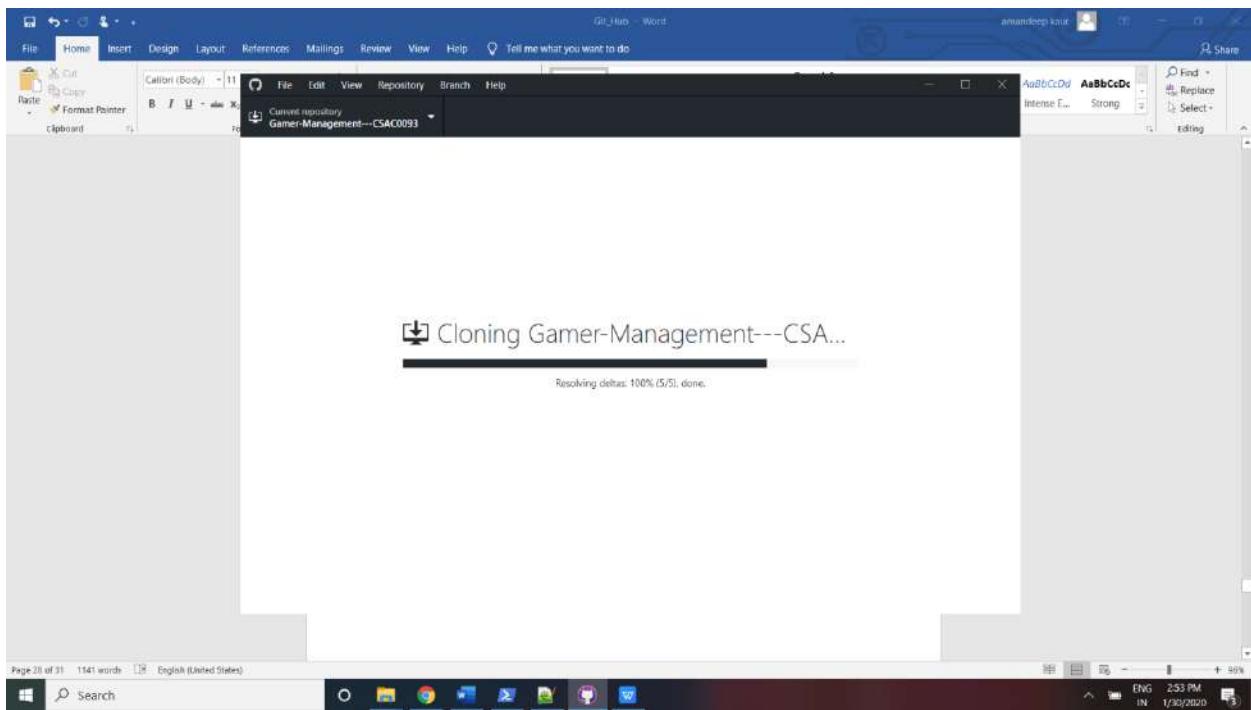
In Image – 33, we will see this screen after clicking Open GitHub Desktop. And select the **CLONE** button.

Image – 33.



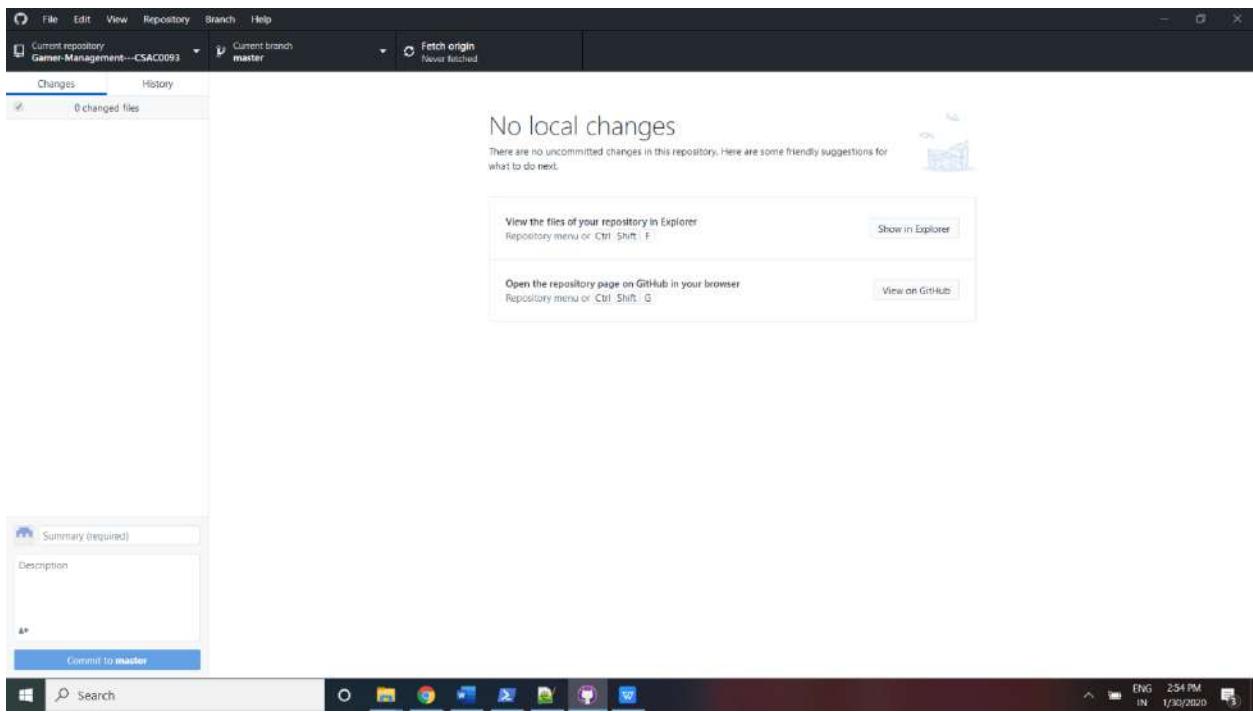
In Image – 34, we can see cloning process.

Image - 34.



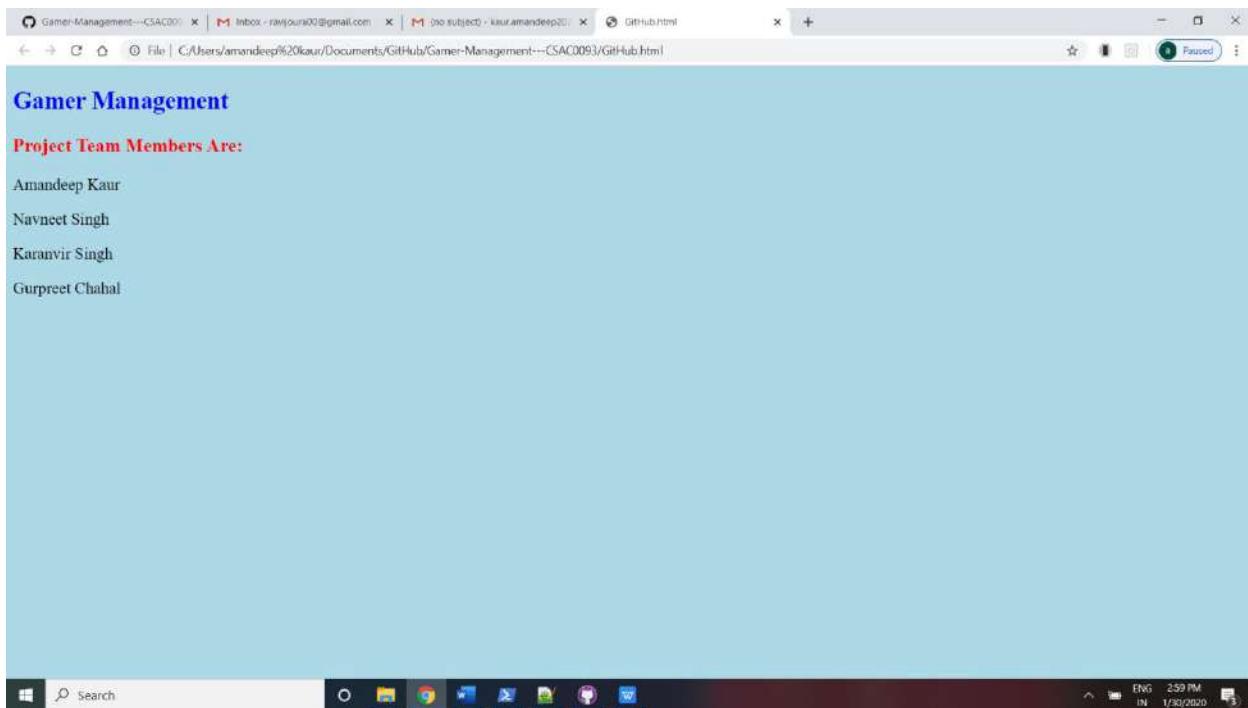
In Image – 36, we will see this screen after cloning process completes.

Image – 35.



In Image – 36, the web page looks like this.

Image 36.



In Image 37, we can see the total commits at left side and by selecting the HISTORY button we can see history of our file. We have to click on Fetch- Origin to fetch the files

Image – 37.

The screenshot shows the GitHub desktop application interface. At the top, there's a menu bar with File, Edit, View, Repository, Branch, Help. Below the menu, it says "Current repository: GameManagement-CSAC0093" and "Current branch: master". A "Fetch origin" button is present, with the status "Never fetched".

The main area has two tabs: "Changes" and "History". The "History" tab is selected, showing a list of commits:

- Add files via upload (CD744703 committed 19 minutes ago)
- Added names of the Team Members in ... (CD744703 committed 2 hours ago)
- Add team member's names (CD744703 committed 2 hours ago)
- Delete karan here (CD744703 committed 2 hours ago)
- Delete batman-sitting-on-throne-06-25... (CD744703 committed 2 hours ago)
- Delete Navneet (CD744703 committed 2 hours ago)
- Update Navneet (CD744703 committed 2 hours ago)
- Create Navneet (Navneet749303 committed a day ago)
- Add files via upload (Navneet749303 committed a day ago)
- Update README.md (CD744703 committed a day ago)
- Update README.md (Navneet749303 committed a day ago)
- Create karan here (karan1992 committed a day ago)
- Initial commit (CD744703 committed a day ago)

To the right of the commit list, the file "GitHub.html" is displayed in a code editor. The code content is as follows:

```
00 -> 0 +1,22 00
<!DOCTYPE html>
<html>
<style>
<body>
<+
<h1> {color: blue;}</h1>
<h3> {color: red;}</h3>
</style>
<body>
<+
<section>
<h3>Game Management</h3>
<+
<p> Amandeep Kaur </p>
<p> Navneet Singh </p>
<p> Karanvir Singh </p>
<p> Gurpreet Chahal </p>
<+
</section>
</body>
</html>
```

In Image – 38, My team member Navneet committed 1st change to html file by changing color from red to green. After this, we have to click on Pull Origin so that the workstation will save the changes made in GitHub.

Image 38.

The screenshot shows the GitHub desktop application interface. At the top, there's a menu bar with File, Edit, View, Repository, Branch, Help, and a pull origin button. Below the menu is a header with 'Current repository' set to 'Game Management - CSAC0093' and 'Current branch' set to 'master'. A 'Pull origin' button is also present. The main area has tabs for 'Changes' (selected), 'History', and 'Add files via upload'. The 'History' tab shows a list of commits, and the 'Changes' tab displays the content of a file named 'GitHub.html'. The code in the file is:

```
00 -0,0 +1,22 @@  
1 <!DOCTYPE html>  
2 <html>  
3 <style>  
4 <body (background-color: lightblue;)  
5 <  
6 <h1 (color: blue;)  
7 <h1 (color: red;)  
8 </style>  
9 </body>  
10 <  
11 <section>  
12 <  
13 <h3> Project Team Members Are: </h3>  
14 <  
15 <p> Arvind Kaur</p>  
16 <p> Navneet Singh </p>  
17 <p> Karanvir Singh </p>  
18 <p> Gurpreet Chahal </p>  
19 <  
20 </section>  
21 </body>  
22 </html>
```

The bottom of the window shows a taskbar with various icons and system status information like 'ENG 301 PM IN 1/30/2020'.

CSAT- CSAC

CPL-5559-CSAT-CSAC-0093-V2

In Image – 40, we can see the changes

Image 40.

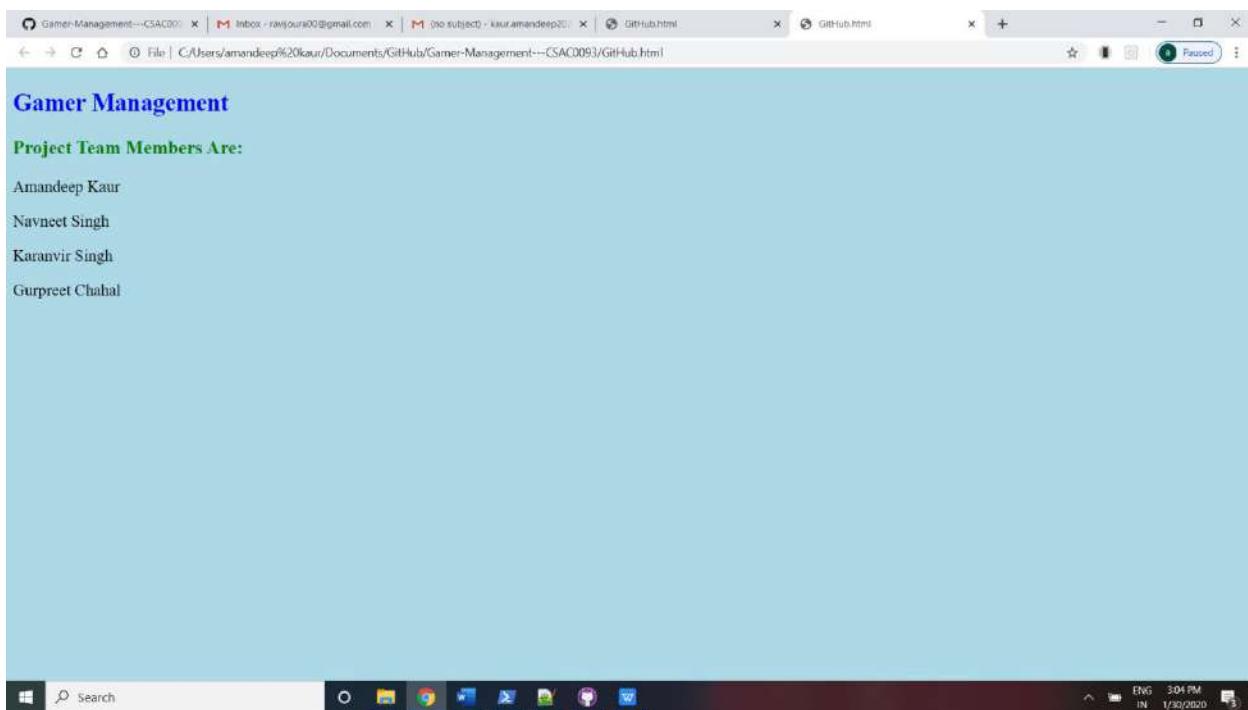
The screenshot shows a Git commit history interface. At the top, it displays the repository name "Gamer-Management-CSAC0093" and the branch "master". A "Fetch origin" button is visible. Below the header, there are two tabs: "Changes" (selected) and "History". The main area is titled "Navneet Commit" and shows a single commit from "Navneet749303" with the ID "963351". The commit message is "GitHub.html". The code editor shows the contents of the GitHub.html file:

```
body {background-color: lightblue; color: blue;}  
h1 {color: red;}  
h2 {color: green;}
```

The code editor highlights the first three lines in red, indicating they have been deleted. The last line is highlighted in green, indicating it has been added. The commit history on the left side lists various commits from different users, mostly from "Navneet749303" and "karanve1992", with commit times ranging from "5 minutes ago" to "a day ago".

Image – 41.

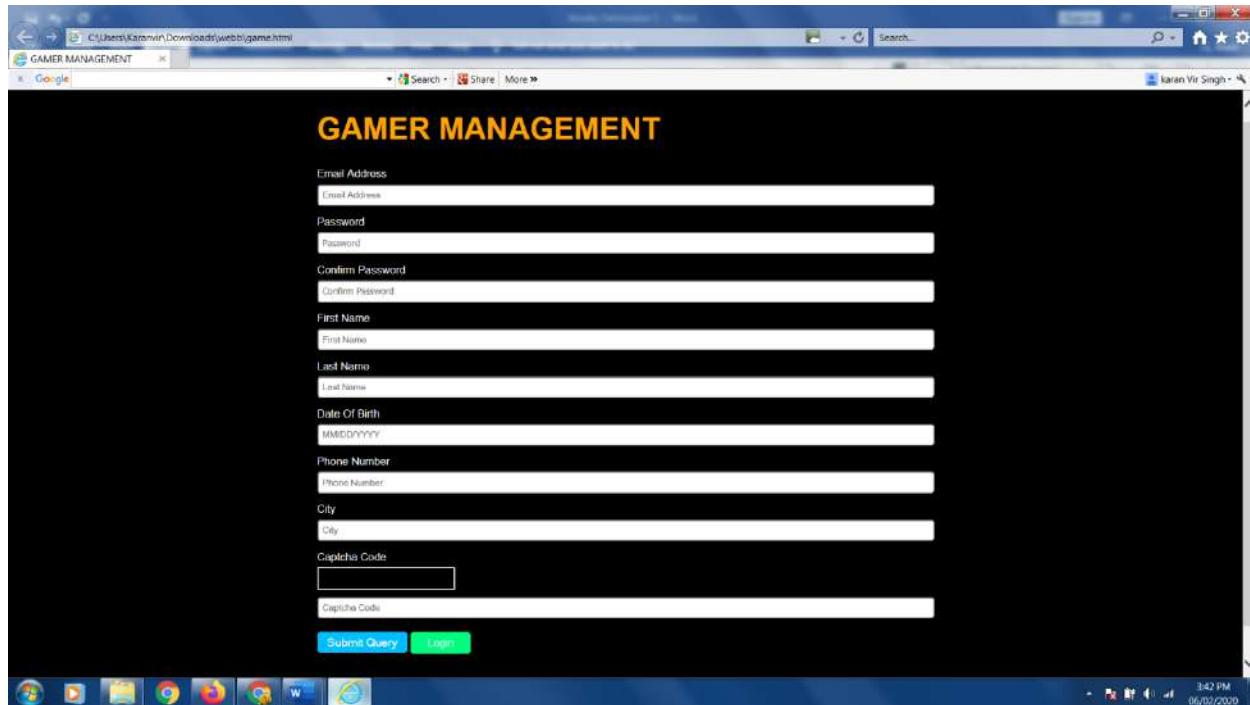
In Image – 41, we can see the changes in webpage.



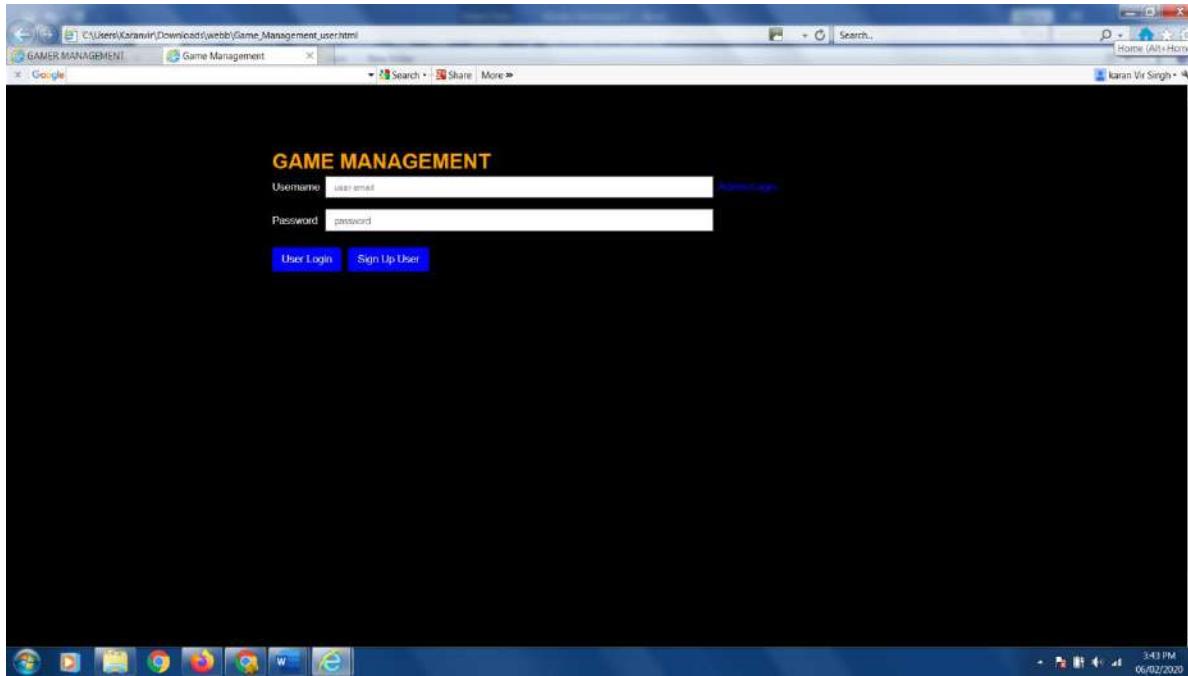
Week-5

Now we are developing the web pages of web application named “GAMER MANAGEMENT”, using HTML coding from the design that has been developed in AXURE RP tool. We are also using Cascading Style Sheet to give a designing and colors to our web pages.

1. In Sign up page, we are using tags like `<form>`, `<div>`, `<label>` captcha, `dob` by date picker and adding `href` tag to link .CSS file and `src` tag to link java script file as we are using Java script for form validation for “`password`”, `DOB`, `CAPTCHA`.



2. Login page



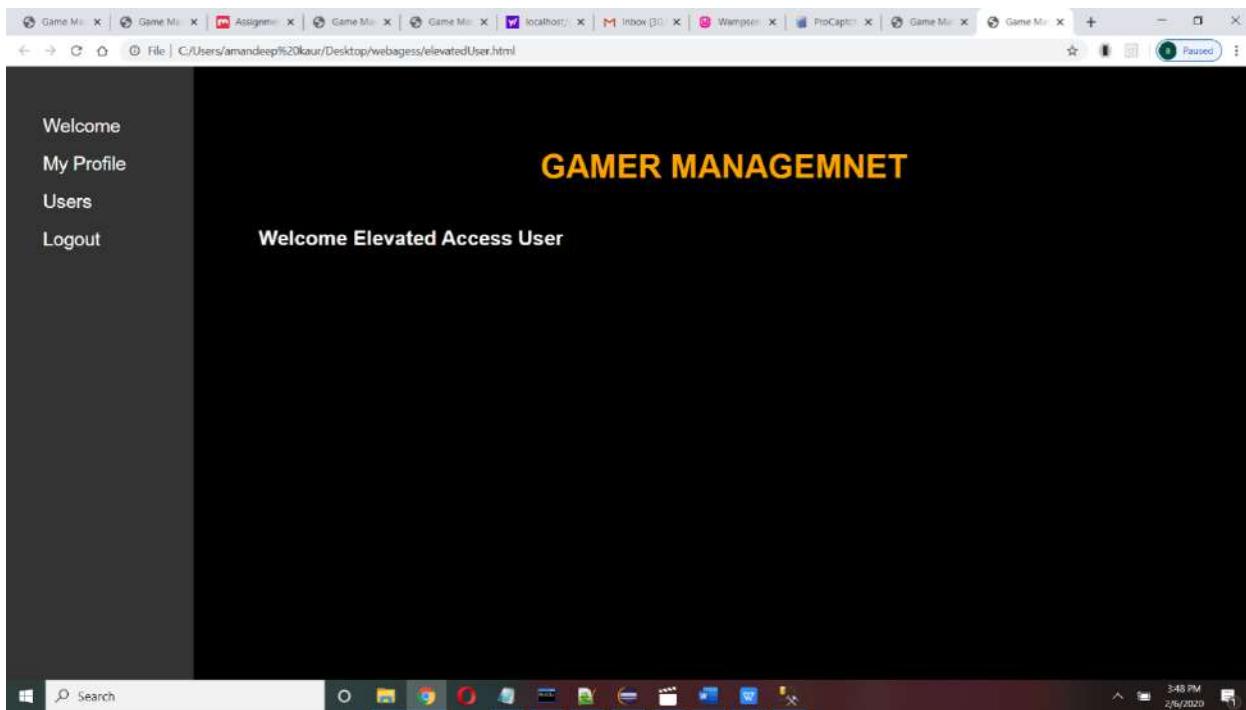
3. In first web page, Welcome Admin we are using <title> tag to give title to web page, <div>, <nav> tags and adding href tag to link .CSS file and src tag to link java script file as we are using Java script for form validation for “password”, DOB, CAPTCHA .

The screenshot shows a web browser window with the URL `C:\Users\Karanvir\Downloads\webb\admin.html`. The page title is "Game Management". The main content area displays the text "GAMER MANAGEMNET" in large yellow capital letters, followed by "Welcome Administrator". On the left side, there is a sidebar with the following menu items:

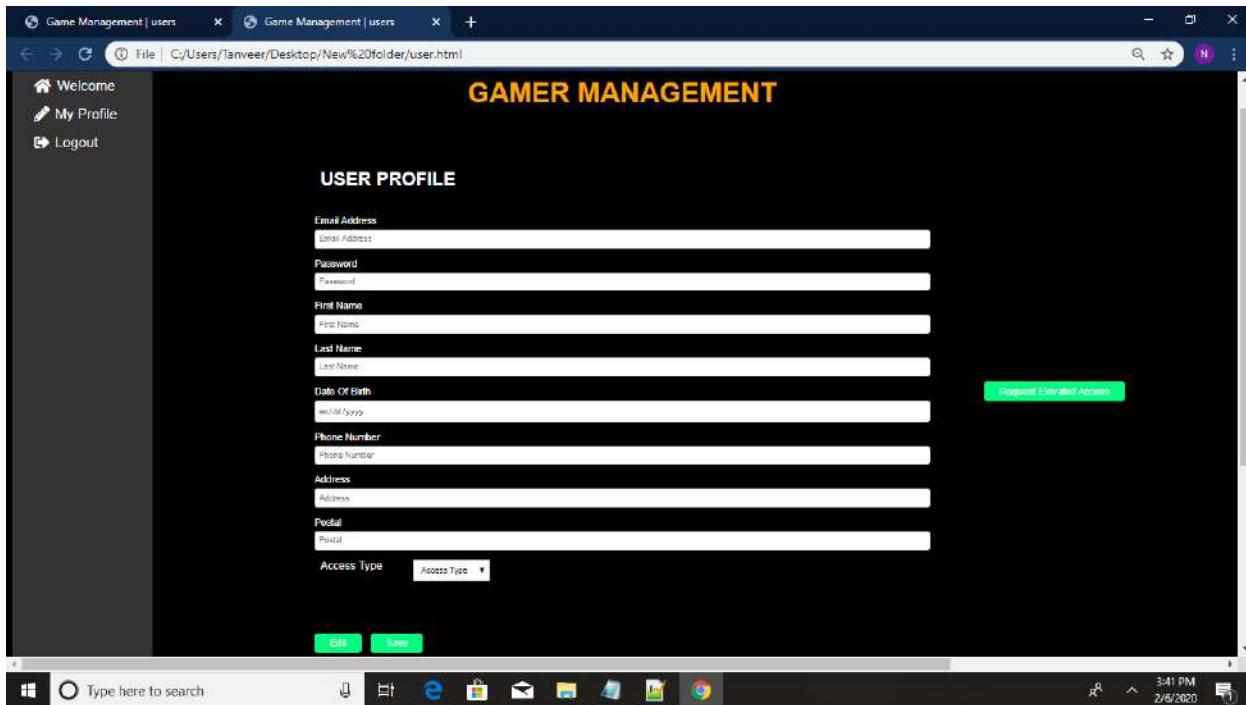
- Welcome
- My Profile
- Users
- Access Requests
- Logout

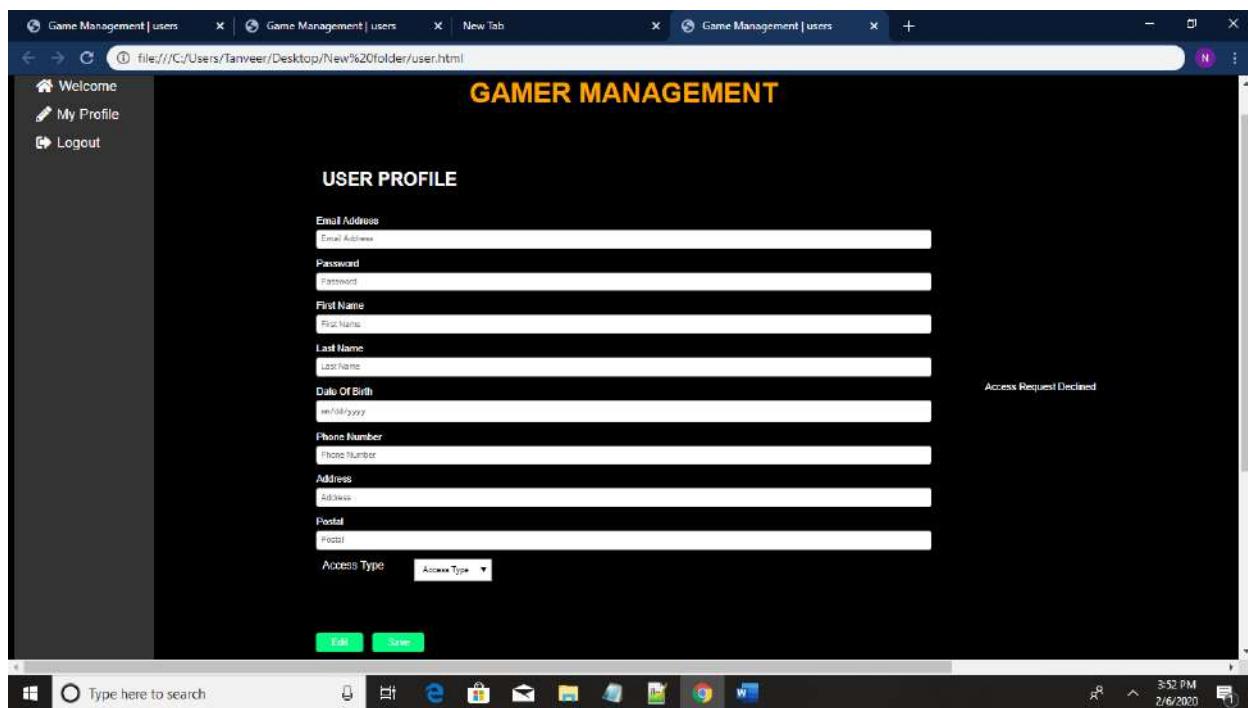
At the bottom of the page, there is a footer section with the text "Welcome Regular Access User".

The browser's address bar shows the path `C:/Users/amandeep%20kaur/Desktop/webagess/RegularUser.html`. The taskbar at the bottom of the screen also lists several open browser tabs.



4. Profile Page of Regular user





Tables and Fields

```
mysql> INSERT INTO `superuser` (`userId`, `userEmail`, `userName`, `userLastName`, `userPassword`, `userConfPassword`, `userDob`, `userCaptcha`, `userCity`, `userPhn`) VALUES(1, 'amandeep', 'a  
amandeep', 'kaun', '1234567', '1234567', '2018-01-24', '7HnyYSe', 'brampton', '12341234');
ERROR 1136 (21S01): Column count doesn't match value count at row 1
mysql> INSERT INTO `superuser` (`userId`, `userEmail`, `userName`, `userLastName`, `userPassword`, `userConfPassword`, `userDob`, `userCaptcha`, `userCity`, `userPhn`) VALUES(2, 'aman@gmail.co  
ur', '1234567', '1234567', '2018-01-24', '7HnyYSe', 'brampton', '12341234');
Query OK, 1 row affected (0.02 sec)

mysql> INSERT INTO `superuser` (`userId`, `userEmail`, `userName`, `userLastName`, `userPassword`, `userConfPassword`, `userDob`, `userCaptcha`, `userCity`, `userPhn`) VALUES(3, 'mani@gmail.co  
gh', '3004', '3004', '2018-06-24', '7HnyYSe', 'brampton', '899894');
Query OK, 1 row affected (0.01 sec)

mysql> describe superuser;
+-----+-----+-----+-----+-----+
| Field | Type | Null | Key | Default | Extra |
+-----+-----+-----+-----+-----+
| userId | int(11) | NO | PRI | NULL | auto_increment |
| userEmail | varchar(100) | NO | NULL | NULL | |
| userName | varchar(50) | NO | NULL | NULL | |
| userLastName | varchar(50) | NO | NULL | NULL | |
| userPassword | varchar(50) | NO | NULL | NULL | |
| userConfPassword | varchar(50) | NO | NULL | NULL | |
| userDob | varchar(50) | NO | NULL | NULL | |
| userCaptcha | varchar(50) | NO | NULL | NULL | |
| userCity | varchar(50) | NO | NULL | NULL | |
| userPhn | varchar(50) | NO | NULL | NULL | |
+-----+-----+-----+-----+-----+
10 rows in set (0.02 sec)

mysql>
```

```
C:\Users\amandeep kaun\Downloads\usermanagement.sql - Notepad++
File Edit Search View Encoding Language Settings Tools Macro Run Plugins Window 2
o E S V L T P C M B W
1 -- phpMyAdmin SQL Dump
2 -- version 4.1.14
3 -- http://www.phpmyadmin.net
4 --
5 -- Host: 127.0.0.1
6 -- Generation Time: Feb 03, 2020 at 12:48 PM
7 -- Server version: 5.6.17
8 -- PHP Version: 5.5.12
9
10 SET SQL_MODE = "NO_AUTO_VALUE_ON_ERROR";
11 SET time_zone = "+00:00";
12
13
14 /*140101 SET CHARACTER_SET_CLIENT=@@CHARACTER_SET_CLIENT */;
15 /*140101 SET CHARACTER_SET_RESULTS=@@CHARACTER_SET_RESULTS */;
16 /*140101 SET COLLATION_CONNECTION=@@COLLATION_CONNECTION */;
17 /*140101 SET NAMES utf8 */;
18
19
20 -- Database: `usermanagement`
21
22
23
24
25 -- Table structure for table `sub_user`
26
27
28 CREATE TABLE IF NOT EXISTS `sub_user` (
29   `sub_user_id` int(11) NOT NULL AUTO_INCREMENT,
30   `Email_Address` varchar(100) NOT NULL,
31   `Password` varchar(50) NOT NULL,
32   `First_Name` varchar(50) NOT NULL,
33   `Last_Name` varchar(50) NOT NULL,
34   `Date_of_Birth` varchar(50) NOT NULL,
35   `Access_Type` varchar(50) NOT NULL,
36   `Phone_Number` varchar(50) NOT NULL,
37   `Department` varchar(50) NOT NULL,
38   `Address` varchar(255) NOT NULL,
39   `Postal` varchar(50) NOT NULL,
40   PRIMARY KEY (`sub_user_id`),
41   UNIQUE KEY `Email_Address` (`Email_Address`)
42 ) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=1 ;
43
```

```
usemanagementsql - not connected* - Microsoft SQL Server Management Studio
File Edit View Query Project Debug Tools Window Help
Object Explorer Details  usemanagementsql - not connected*
CREATE TABLE IF NOT EXISTS `sub_user` (
  `sub_user_id` int(11) NOT NULL AUTO_INCREMENT,
  `Email_Address` varchar(100) NOT NULL,
  `Password` varchar(20) NOT NULL,
  `First_Name` varchar(50) NOT NULL,
  `Last_Name` varchar(50) NOT NULL,
  `DateOfBirth` varchar(50) NOT NULL,
  `Access_Type` varchar(100) NOT NULL,
  `Phone_Number` varchar(50) NOT NULL,
  `Department` varchar(100) NOT NULL,
  `Address` varchar(150) NOT NULL,
  `Postal` varchar(50) NOT NULL,
  PRIMARY KEY (`sub_user_id`),
  UNIQUE KEY `Email_Address` (`Email_Address`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=2 ;

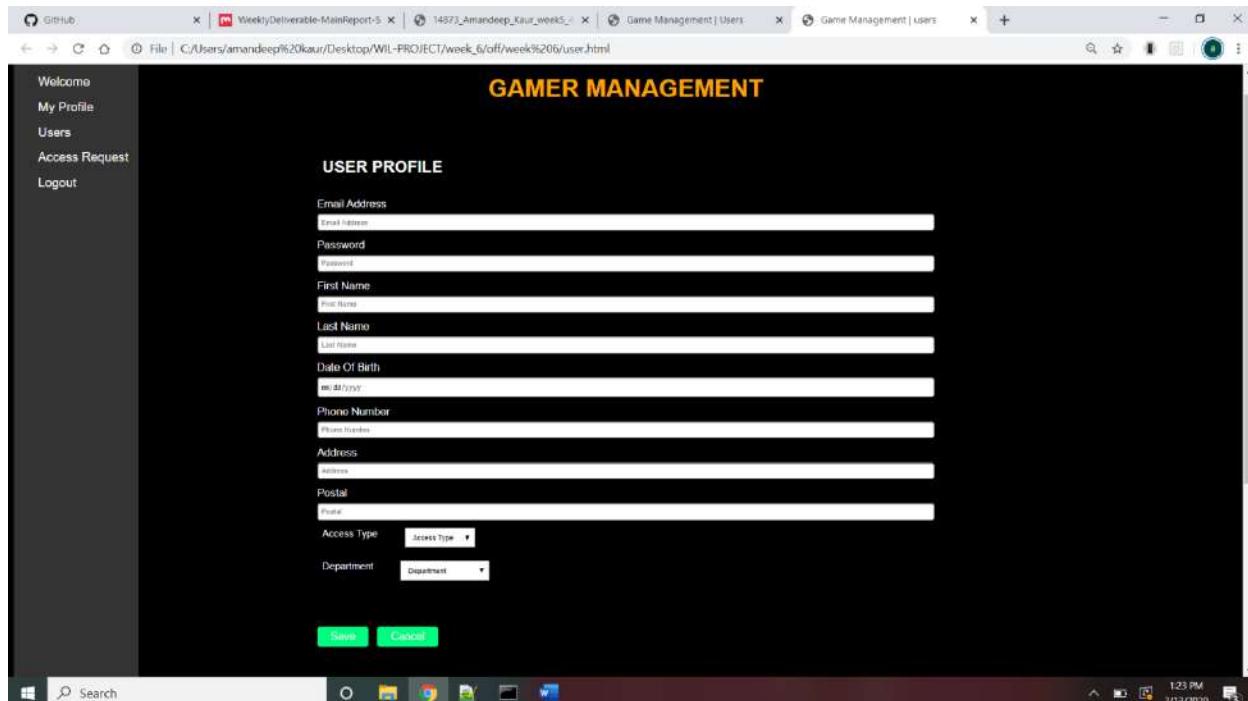
-- Table structure for table `superuser`

CREATE TABLE IF NOT EXISTS `superuser` (
  `userId` int(11) NOT NULL AUTO_INCREMENT,
  `userEmail` varchar(100) NOT NULL,
  `userName` varchar(50) NOT NULL,
  `userLastName` varchar(50) NOT NULL,
  `userPassword` varchar(50) NOT NULL,
  `userConfirmPassword` varchar(50) NOT NULL,
  `userOob` varchar(50) NOT NULL,
  `userCaptcha` varchar(50) NOT NULL,
  `userCity` varchar(50) NOT NULL,
  `userPhn` varchar(50) NOT NULL,
  PRIMARY KEY (`userId`)
) ENGINE=InnoDB DEFAULT CHARSET=latin1 AUTO_INCREMENT=2 ;
```

Week- 6

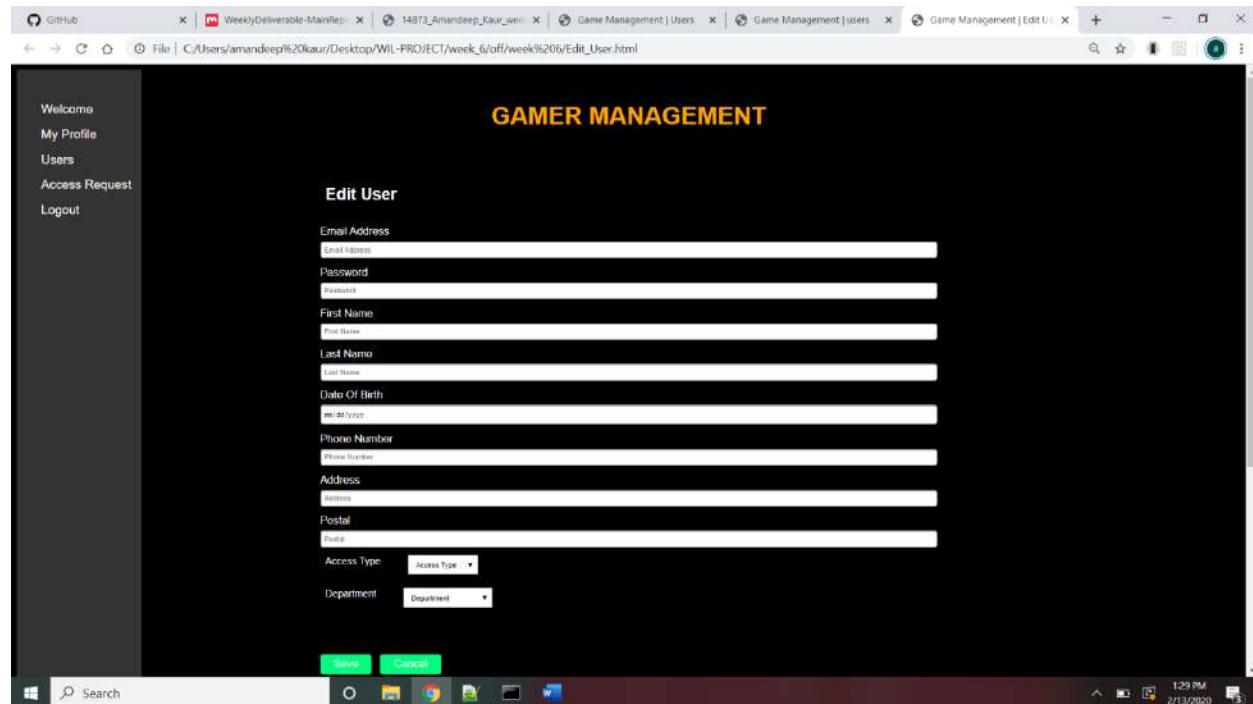
USER PAGES

Here, we are generating the Admin logged in page, where Admin is on **Users** Tab and press the **ADD** button to add new a User by filling all required details and can also save or cancel changes by using **Save** or **Cancel** buttons.



Edit User:

Here, we are generating Admin's logged in web page and under **Users** tab, when Admin will click on Edit button and will reach on this tab named **EDIT** and this web page will be opened where Admin can edit the user's information and save changes by **SAVE** button those are already added.



USERS

Here, Elevated User is logged in and under **USERS** tab, User can see other Regular Users by using **VIEW** button by filtering using **Search** option (sorting according to the **Departments** also) and can also make changes by using **EDIT** button.

The screenshot shows a Windows application window titled "Game Management | Users". The main title bar says "GAMER MANAGEMNET". On the left, there's a sidebar with icons for Welcome, My Profile, Users, Access Requests, and Logout. The main area is titled "User" and contains a table of user data. At the top right of the main area are buttons for Add, View, Edit, and Delete. Below the table is a search bar with a dropdown for "Department" set to "All" and a "Search" button. The table has columns: User id, First Name, Last Name, Acess Method, and Department. The data in the table is:

User id	First Name	Last Name	Acess Method	Department
U001	Mark	Jones	Gamer	Portait Real Time Strategy
U002	Drake	williams	Host	Board Games
U003	Lima	Smith	Administrator	Card Games

USERS

Here, Admin is logged in and under **USERS** tab, User can add users by usinf **ADD** button, can view other users usinf **VIEW** button, can edit user's information using **EDIT** button and can delete the users by using **DELETE** button. To make changes or delete the users, admin can search the users and sort according to the *Department* using dropdown box and after retrivieng the result or results, Admin can select the other user by checking he checkboxes and perform further actions. (like view, edit, delete other users)

The screenshot shows a Windows desktop environment with a web browser window open to the 'Game Management | Users' page. The browser has three tabs: 'Game Management | Users', 'Branches - CD744703/Gamer-Mini', and another 'Game Management | Users' tab. The main content area is titled 'GAMER MANAGEMNET' and displays a 'User' list. On the left, a sidebar menu includes 'Welcome', 'My Profile', 'Users' (which is selected and highlighted in blue), 'Access Requests', and 'Logout'. At the top right, there are four buttons: 'Add', 'View', 'Edit', and 'Delete'. Below these are filters for 'Department' (set to 'All') and a 'Search' input field with a 'Search' button. A table lists three users:

User id	First Name	Last Name	Acess Method	Department
U001	Mark	Jones	Gamer	Portait Real Time Strategy
U002	Drake	williams	Host	Board Games
U003	Lima	Smith	Administrator	Card Games

ACCESS REQUEST PAGE

Here, Admin is logged in and under ACCESS REQUEST tab, Admin is able to see all the Elevated Access Requests raised by the Regular Users where, he can view the requests according to the *Departments* using dropdown box, using *Search*. After viewing the requests, admin can approve or decline the requests by using **APPROVE** or **DECLINE** button.

The screenshot shows a Windows desktop environment with a taskbar at the bottom. The main window is titled "User" and displays a table of access requests. The table has columns: Request id, First Name, Last Name, Acess Method, Department, and Request Status. There are three rows of data:

Request id	First Name	Last Name	Acess Method	Department	Request Status
R001	Mark	Jones	Gamer	Portait Real Time Strategy	Active
R002	Drake	williams	Host	Board Games	Approved
R003	Lima	Smith	Administrator	Card Games	Declined

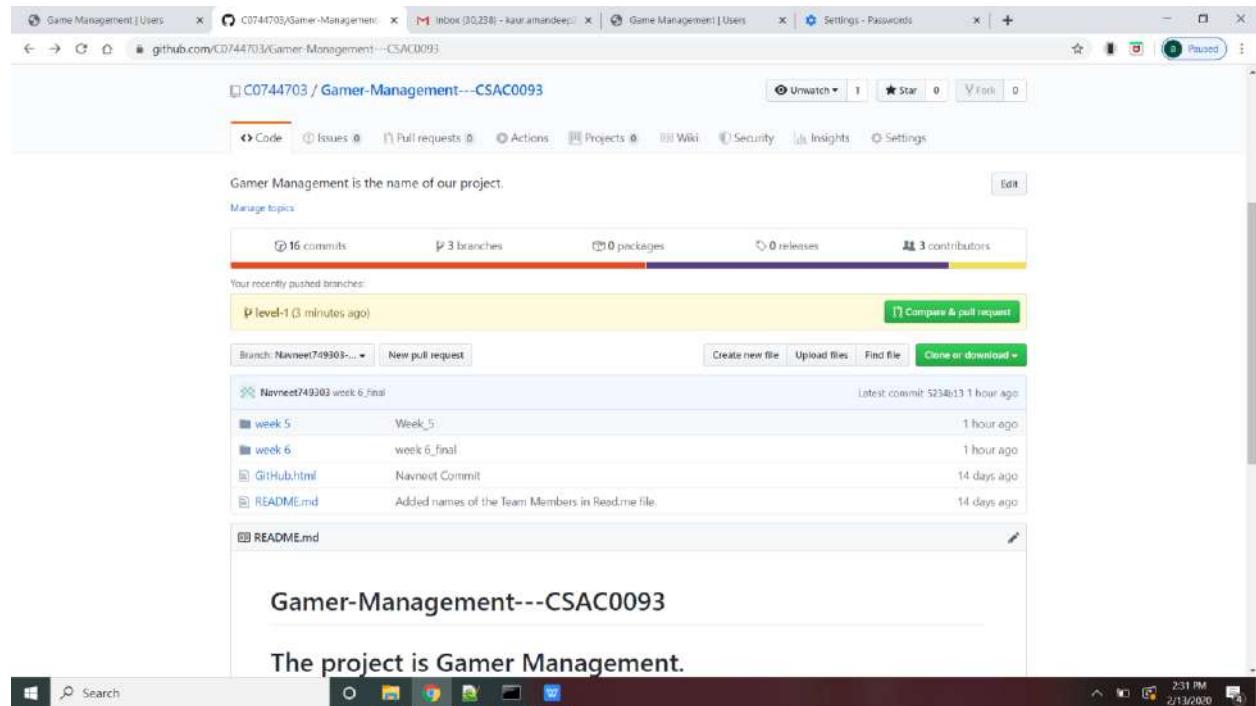
The interface includes a sidebar with links: Welcome, My Profile, Users, Access Requests, and Logout. At the top right, there are "Approve" and "Decline" buttons. The title bar shows the file path: C:/Users/amandeep%20kaur/Desktop/WIL-PROJECT/week_6/off/week%206/Admin_AccessRequest.html.

GIT-HUB Screenshots

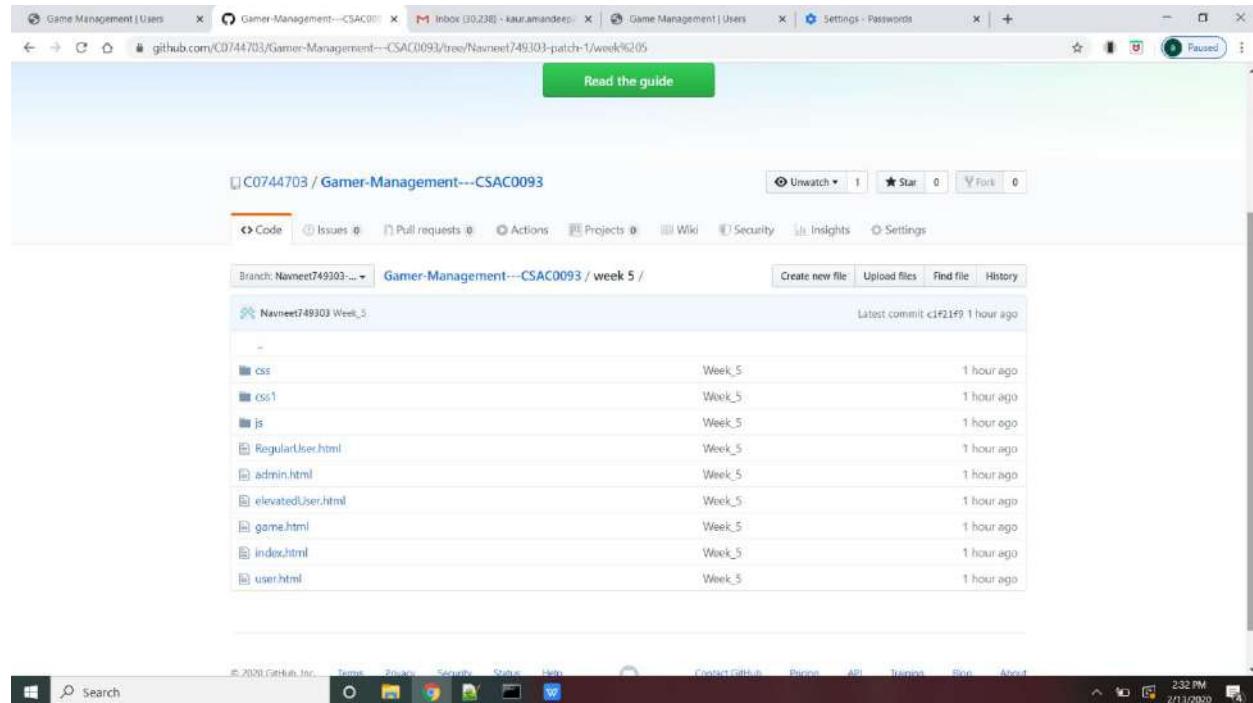
Here, week 5 and week 6 has been uploaded on GIT-HUB in repository

Gamer-Management---CSAC0093.

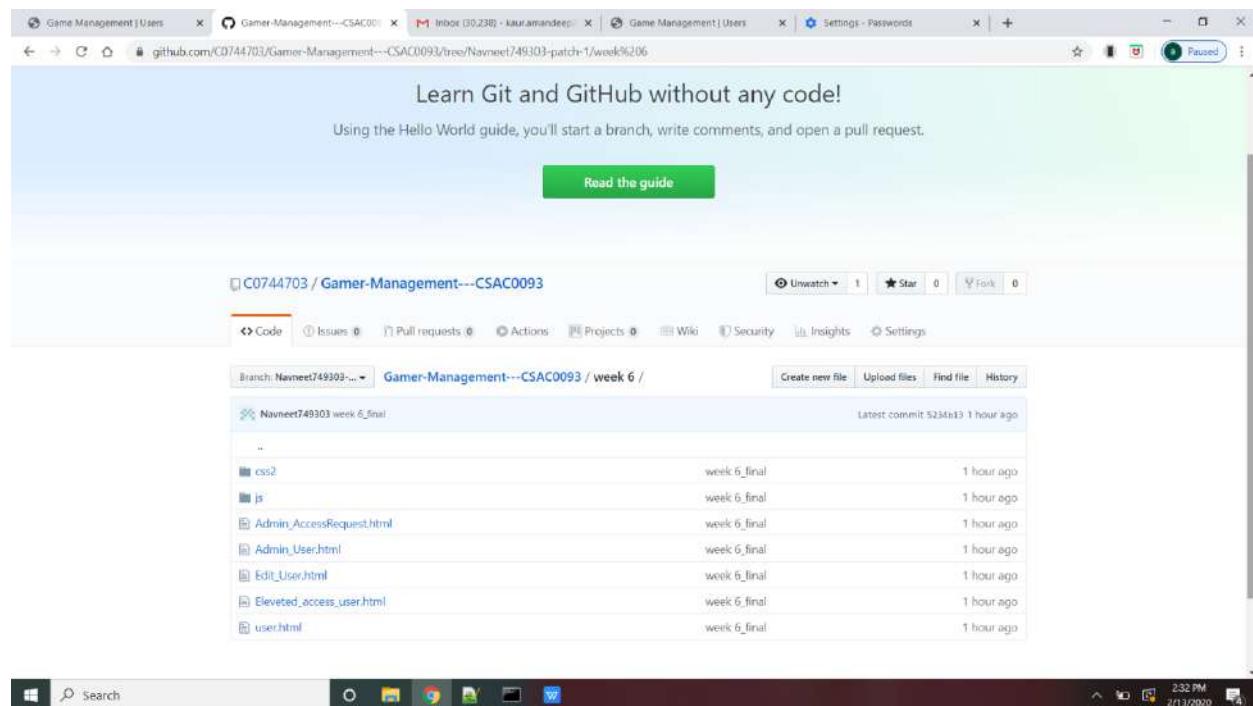
<https://github.com/C0744703/Gamer-Management---CSAC0093>



Under week 5:



Under week 6



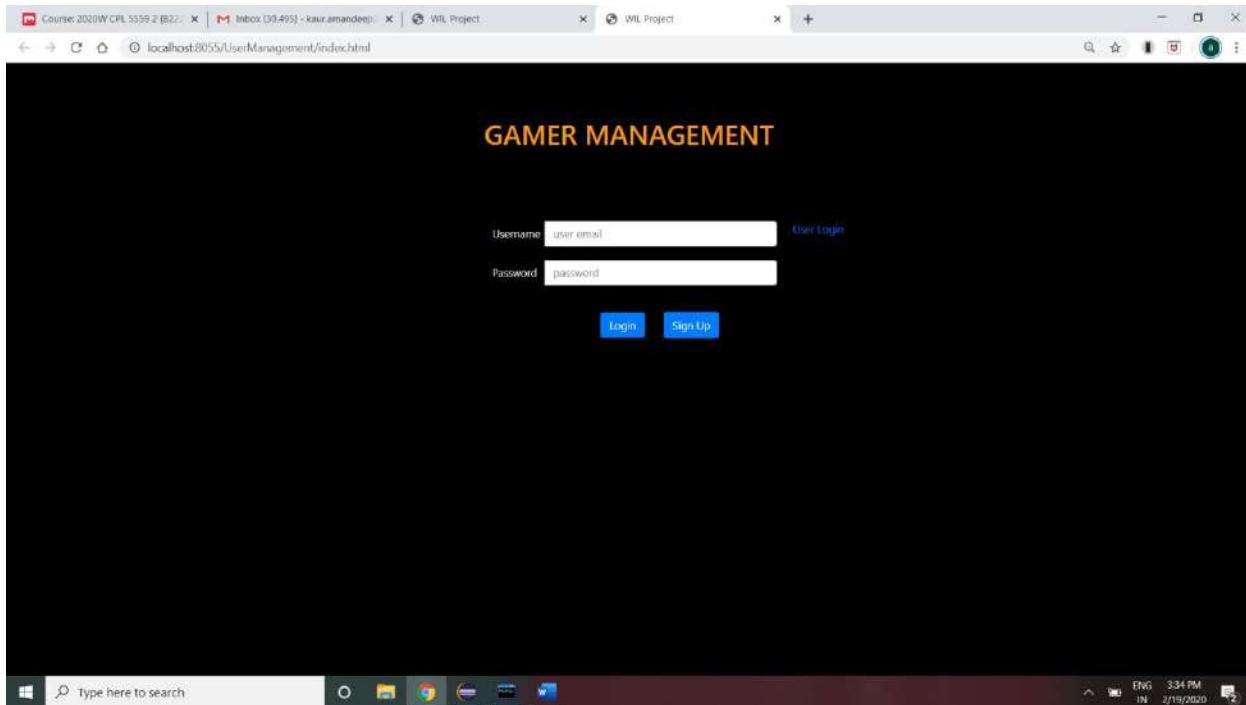
Week-7

Sign-Up function:

In Image-1, we can see

Every new User (not registered) has to sign-up first to enter in the web page of Gamer Management. User has to go to Signup page and click on **Sign-Up** button and reach to next page where user will fill all required fields and click on **Sign-up** button to complete the Sign-up process.

Image-1.

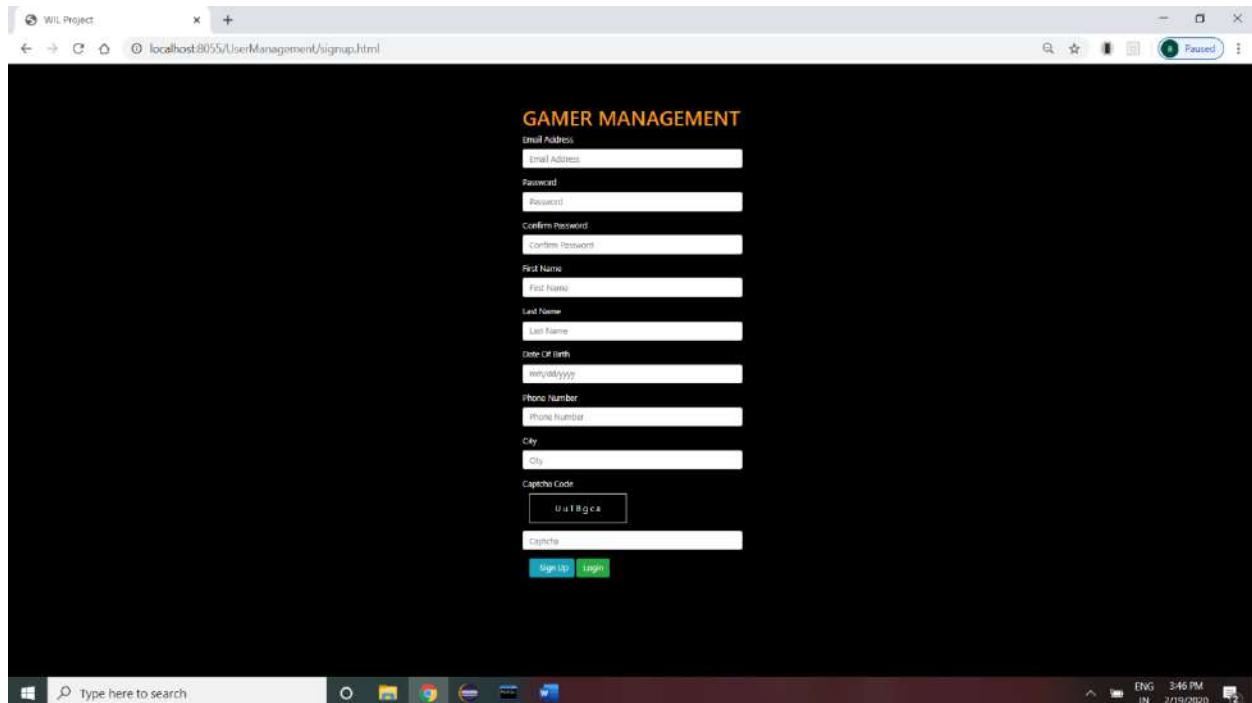


After clicking on **Sign Up** button, User will be navigated to the next page (Image-2) where the user will fill the required fields which are:

- *Email Address*: which will be further used as a Username for that user.
- *Password*: the user will choose the password on his own to login for the next time.
- *Confirm Password*: user will enter same password to validate if it is the same one he chose.
- *First Name*: User will enter his First Name.
- *Last Name*: User will enter his last name.

- *Date of Birth:* User will choose his DOB using Date Picker.
- *Phone Number:* User will enter his contact number.
- *City:* user will enter city where he is residing.
- *Captcha Code:* Here, user has to enter the captcha code as it shows. This function validates the captcha code entered by the user.

Image-2.



After filling all these details, user will click on **Sign Up** button to complete this process or can also click on **Login In** button to **login** with the recently registered user id. User record will be created after this process.

In Image-3.

Here, A new User will go to Sign-Up page and click on **Sign Up** and will reach on next page.

User will fill the required fields and click on **Sign Up** button to complete the sign-up process.

Image-3.

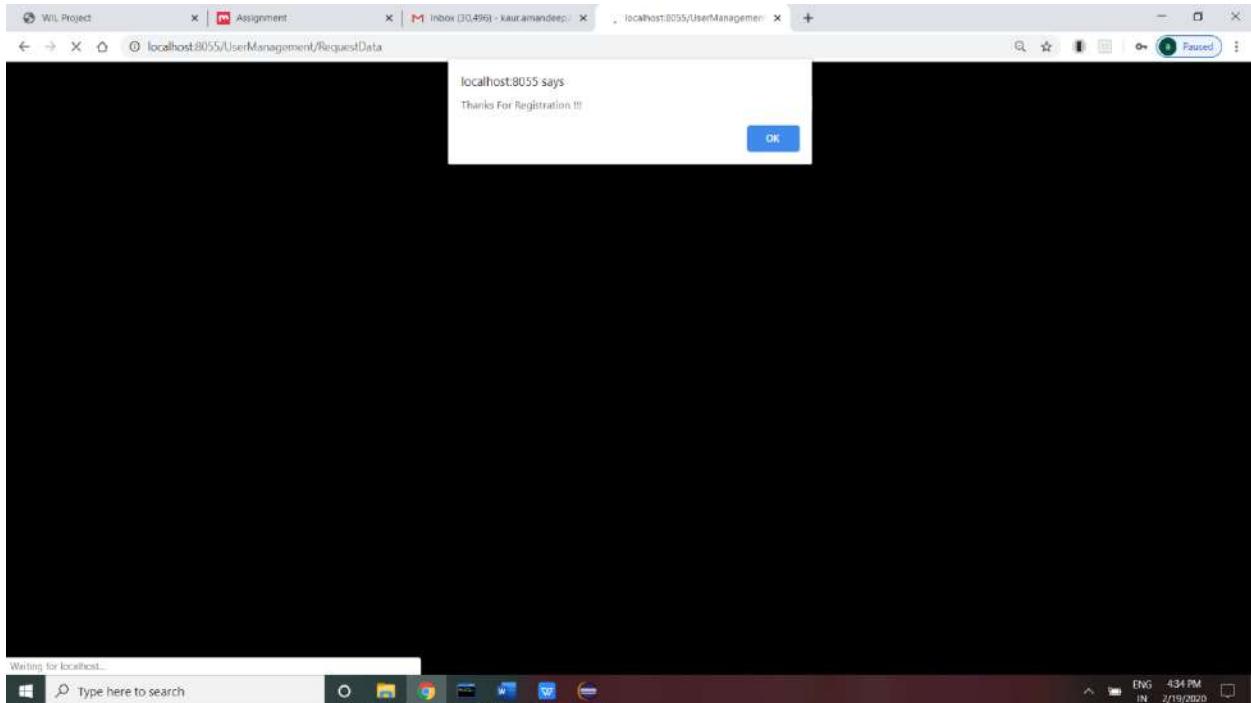
The screenshot shows a web browser window with the title "localhost:8055/UserManagement/signup.html". The main content is a "GAMER MANAGEMENT" sign-up form. The form fields are as follows:

- Email Address: kauramandeep@gmail.com
- Password: password
- Confirm Password: password
- First Name: Mani
- Last Name: Kaur
- Date Of Birth: 01/01/1990
- Phone Number: +919999999999
- City: Brampton
- Captcha Code: 4r0BP2I
- Re-enter Captcha: 4r0BP2I
- Buttons: Sign Up (blue), Login (green)

In Image-4.

After filling all the fields, User will click on **Sign Up** button and his record will be created in database and shows message “Thanks for Registration!

Image-4.



In Image-5. Admin can see record created after Sign-up process user table name “Superuser”

Image-5.

The screenshot shows a Windows desktop with the MySQL Command Line Client window open. The client displays the following SQL session:

```
mysql> show databases;
+--------------------+
| Database          |
+--------------------+
| information_schema|
| bankaccount       |
| database          |
| gamenode          |
| mysql             |
| performance_schema|
| test              |
| usermanagement   |
+--------------------+
0 rows in set (0.00 sec)

mysql> use usermanagement;
Database changed
mysql> show tables;
+---------------------+
| Tables_in_usermanagement |
+-----+
| sub_user                |
| superuser               |
+-----+
2 rows in set (0.00 sec)

mysql> select * from superuser;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail      | userName | userLastName | userPassword | userConfPassword | userDob | userCaptcha | userCity | userVm | accessType | accessTypeActive |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 3     | aman@gmail.com | aman    | deep        | 123456       | e8UDcEP       | 1980-02-28 | 1W#B1r1       | toronto  | 879879898 | Request Elevated Access | NULL           |
| 4     | john@gmail.com  | john    | walker      | john123      | john123       | 2020-02-01 | 1W#B1r1       | toronto  | 879879898 | Request Elevated Access | NULL           |
| 5     | navneet@gmail.com | navneet | singh       | navneet123   | navneet123   | 2018-02-06 | 07#B1r1       | brampton | 878888989 | Request Elevated Access | yes            |
| 6     | chinu@gmail.com | chinu   | singh       | chinu123    | chinu123     | 2019-10-09 | 1u0z1Q1       | brampton | 798788898 | NULL           | NULL           |
| 7     | Mark             | Mark    | Wilson      | mark123     | mark123     | 1990-03-19 | 4r00P23       | brampton | 787990898 | NULL           | NULL           |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.00 sec)

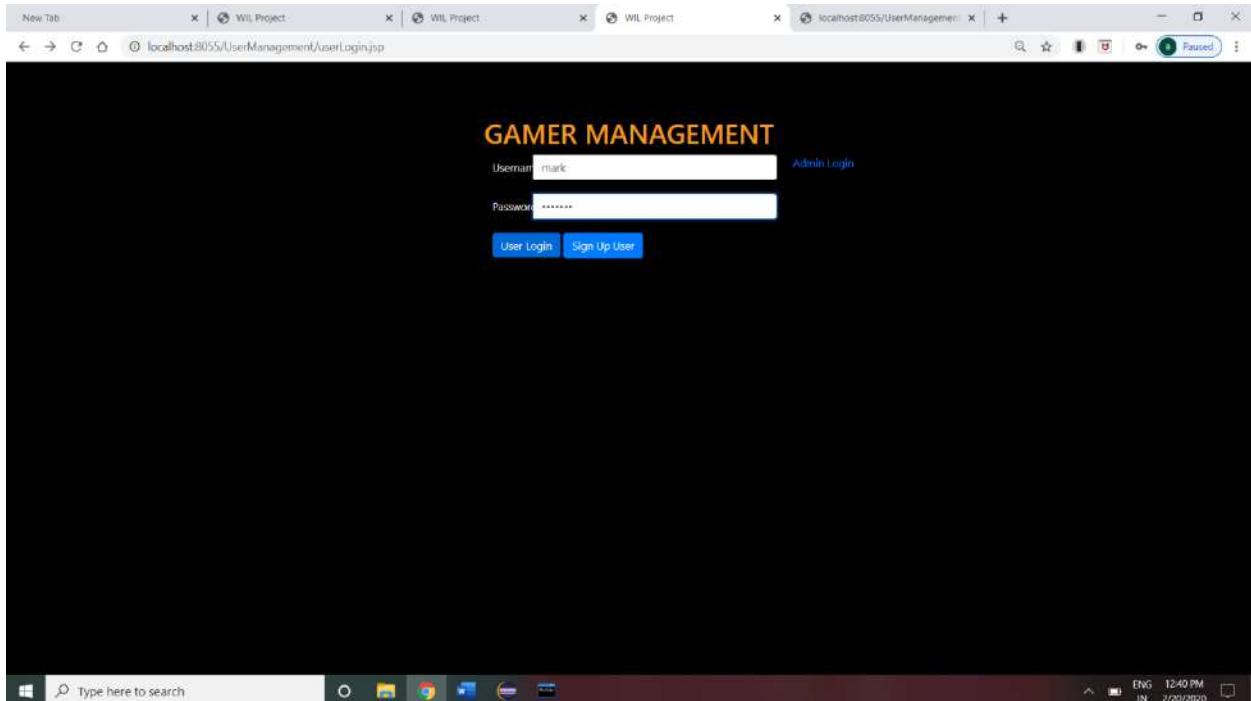
mysql>
```

The terminal window is located at the bottom of the screen, showing the Windows taskbar with icons for File Explorer, Edge, and other applications. The system tray indicates the date and time as 2/19/2020, 4:25 PM.

In Image-5.

User will sign-in by filling his credentials, and logged-in to next page and click on **User Login** button.

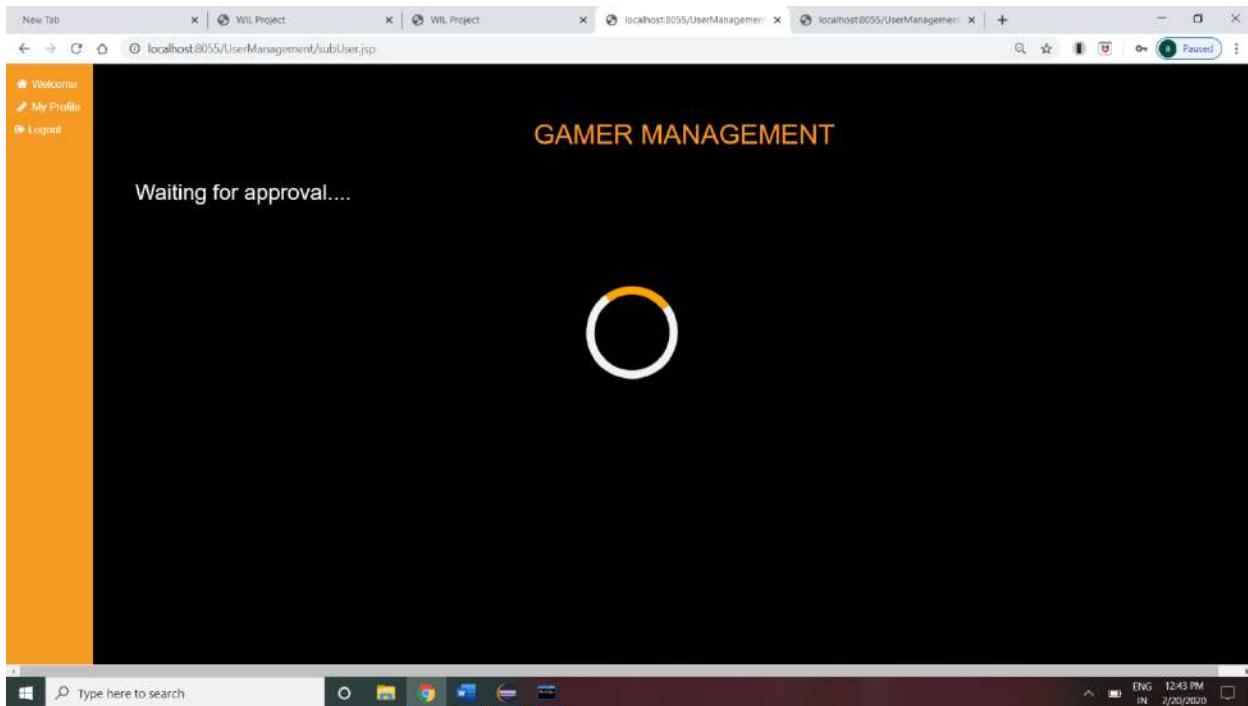
Image-5.



In Image-5.

After clicking on **User Login** button, user will be logged-in and navigated to next page that shows message waiting for approval.

Image-6.



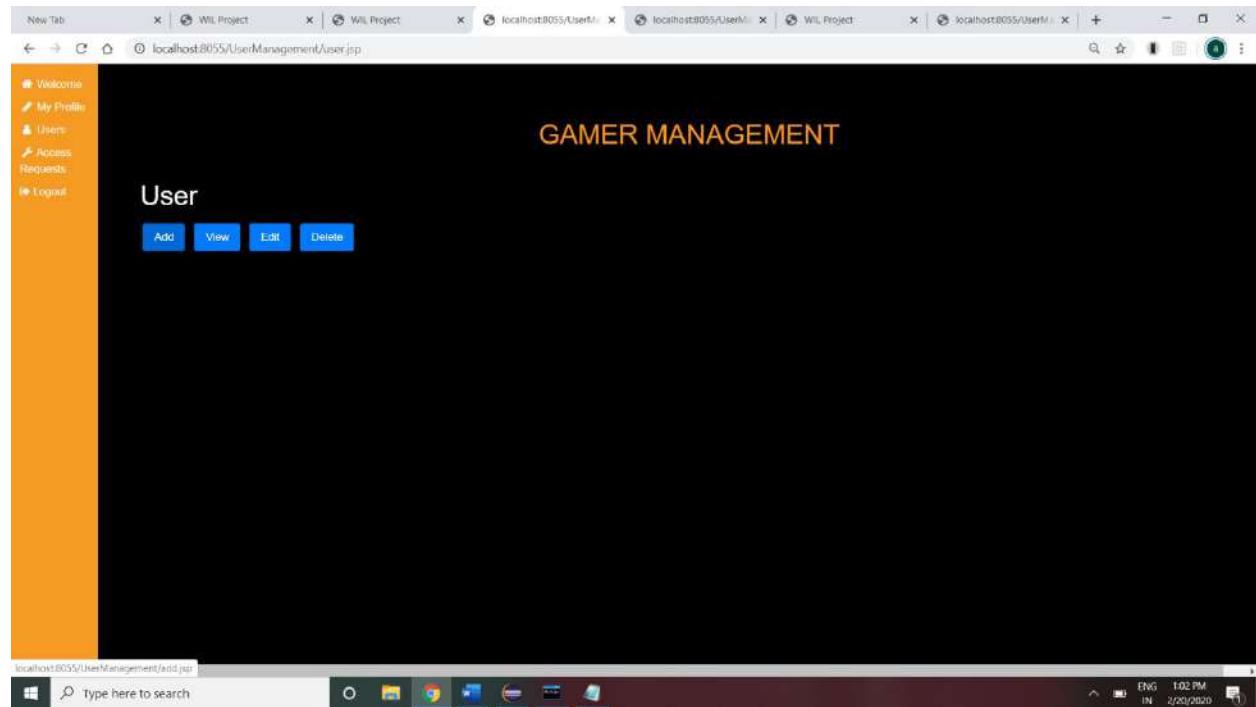
Now the user needs *Access Type* and *Department* to be the part of this web application. So now Admin has to Add that user who has Logged in and created an account on this Web application. In other words, Admin will look into the database for newly logged in users and pull his details to web app and provide him *Access Type* and *Department* to that user.

For this. Admin will Login to this app and go to ADD button and pull the details filled by the user at the time of sign-up process.

In Image- 7.

Admin will click on ADD button and it will navigate it to the next page.

Image – 7.



In Image – 8.

Admin will pull the user's information and to assign Access Type and Department.

In Image – 8.

The screenshot shows a web browser window with multiple tabs open, all titled 'localhost:8055/UserManagement/add.jsp'. The main content area is titled 'GAMER MANAGEMENT' in orange. On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The 'Users' option is currently selected. The main form is titled 'Add User' and contains the following fields:

Email Address	Mark
Password	*****
First Name	Mark
Last Name	Bilson
Date Of Birth	12/03/1990
Access Type	Regular Access User (Gamer)
Phone Number	7879988909
Department	Technology
Address	23 Villah Brampton
Postal	233233

At the bottom of the form are two buttons: 'save' and 'Cancel'.

In Image – 9 and Image - 10

Admin is assigning the *Access Type* and *Department* to user by selecting from dropdown list.

Image – 9.

The screenshot shows a web browser window titled "localhost:8055/UserManagement/add.jsp". The page has a dark background with orange header and sidebar elements. The sidebar on the left contains links: Welcome, My Profile, Users, Access Requests, and Logout. The main content area is titled "GAMER MANAGEMENT" and "Add User". The form fields are as follows:

Email Address	Mark
Password	*****
First Name	Mark
Last Name	Bilson
Date Of Birth	12/03/1990
Access Type	Regular Access User (Gamer)
Phone Number	Elevated Access User
Department	Technology
Address	23 Villah Brampton
Postal	233233

At the bottom of the form are two buttons: "Save" and "Cancel". The "Access Type" dropdown menu is open, showing three options: "Regular Access User (Gamer)" (selected), "Elevated Access User", and "Technology".

Image – 10

The screenshot shows a web browser window titled "localhost:8055/UserManagement/add.jsp". The page has a dark background with orange header and sidebar elements. The sidebar on the left contains links: Welcome, My Profile, Users, Access, Requests, and Logout. The main title is "GAMER MANAGEMENT" in orange. Below it, the section "Add User" is displayed. The form fields are as follows:

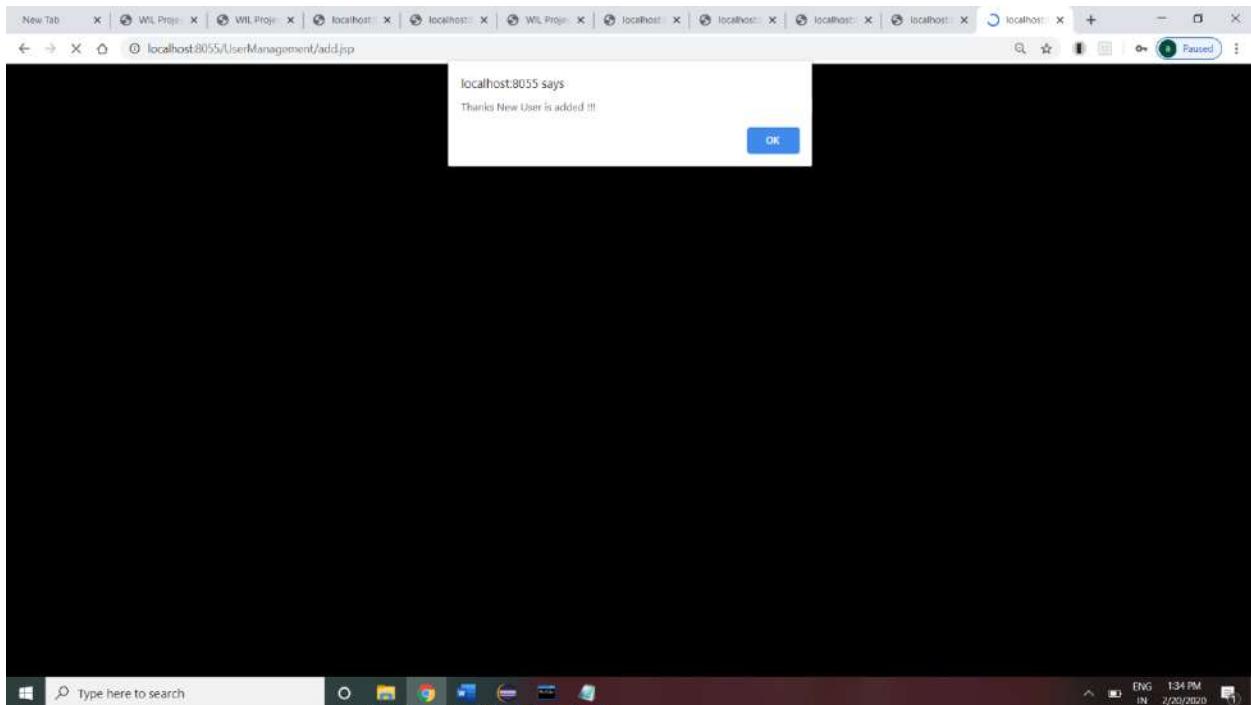
Email Address	Mark
Password	*****
First Name	Mark
Last Name	Bilson
Date Of Birth	12/03/1990
Access Type	Regular Access User (Gamer)
Phone Number	7879988909
Department	Technology
Address	Technology
Postal	Board Games Card Games Arcade Games Real Time Strategy Games

The "Board Games" option is selected in the Address dropdown menu.

In Image – 11.

After clicking on save button, that user will be added and admin will see pop -up message “*Thanks New user is added*”.

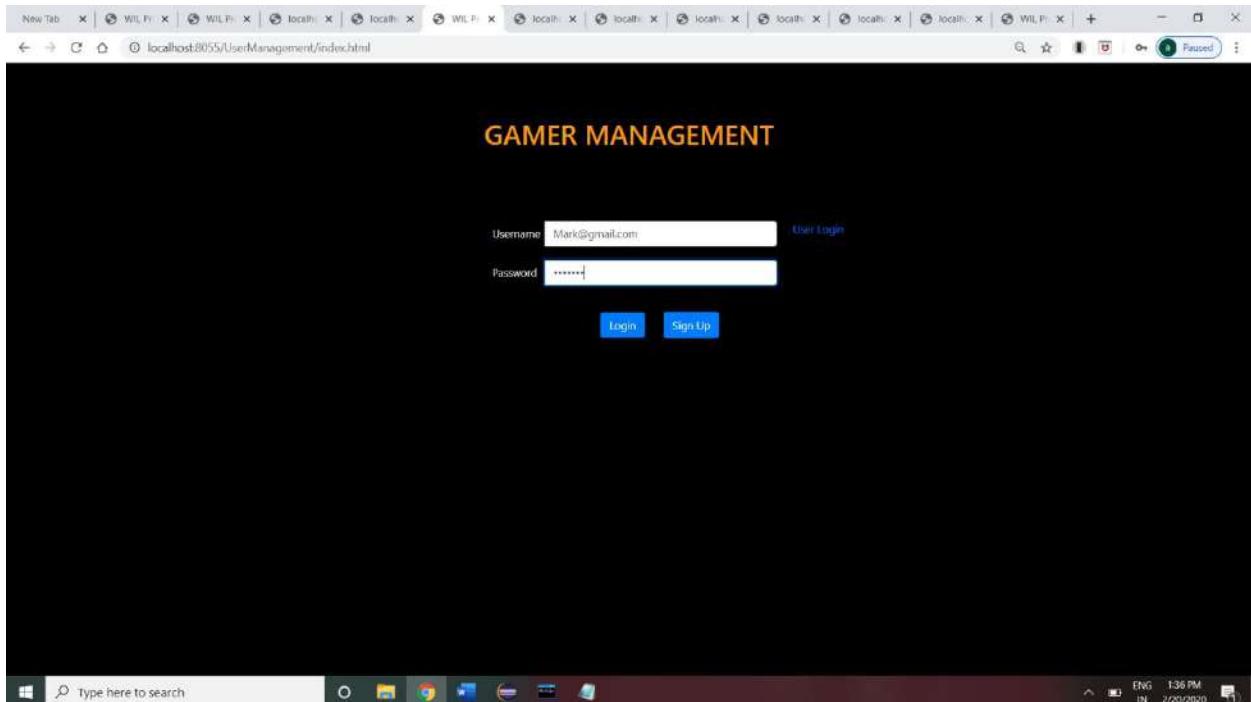
Image – 11.



In Image – 12.

User that has been added by Admin, is now a Regular User and log in by filling credentials.

Image – 11.

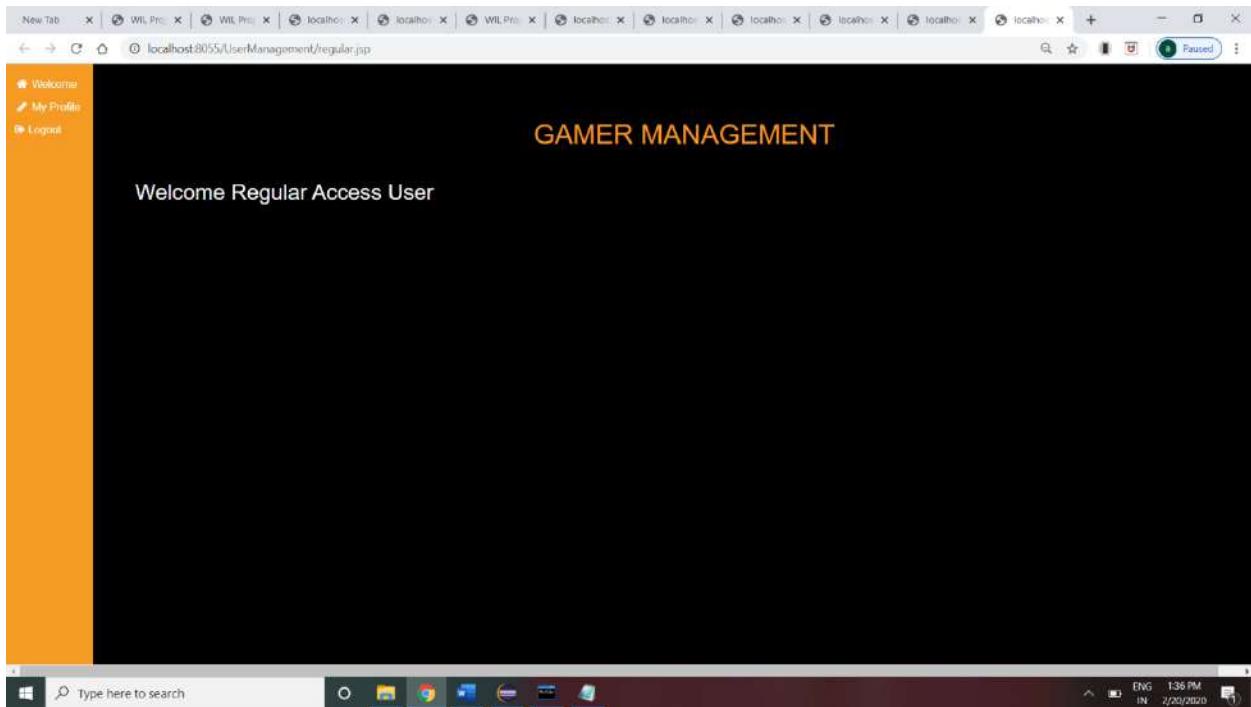


In Image – 13.

New user Mark has filled the credentials and click on Login User button and he will be logged in and navigated to the next web page and see a welcome message

“Welcome Regular Access User”.

Image – 13.



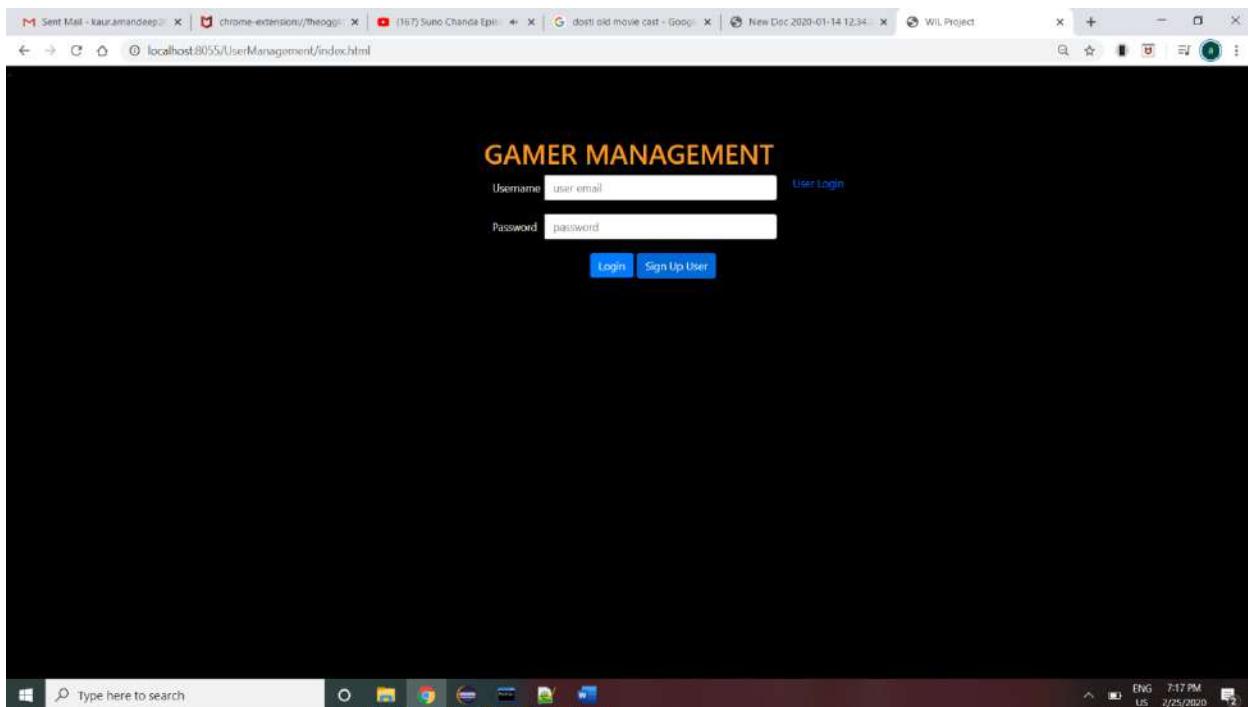
Week-8

In Previous part, User signed up for the first time and its details were saved in a table in MySQL database. User has to wait for approval to enter in web app named “Gamer Management”.

In this week, we will focus on Admin functions in which Admin will Add new user, Edit the already added profile, View the information of users and Delete the user from this web application.

1. Firstly, a new User who has not registered in this app will Sign-Up using **Sign Up User** button for the first time to create an account on this app. (Image – 1)

Image – 1.



After clicking on **Sign Up User** button, user will be navigated to next screen in which user will fill all the required information and click on **Sign Up** button.

Image-2.

The screenshot shows a web browser window with the title "GAMER MANAGEMENT". The page displays a sign-up form with the following fields:

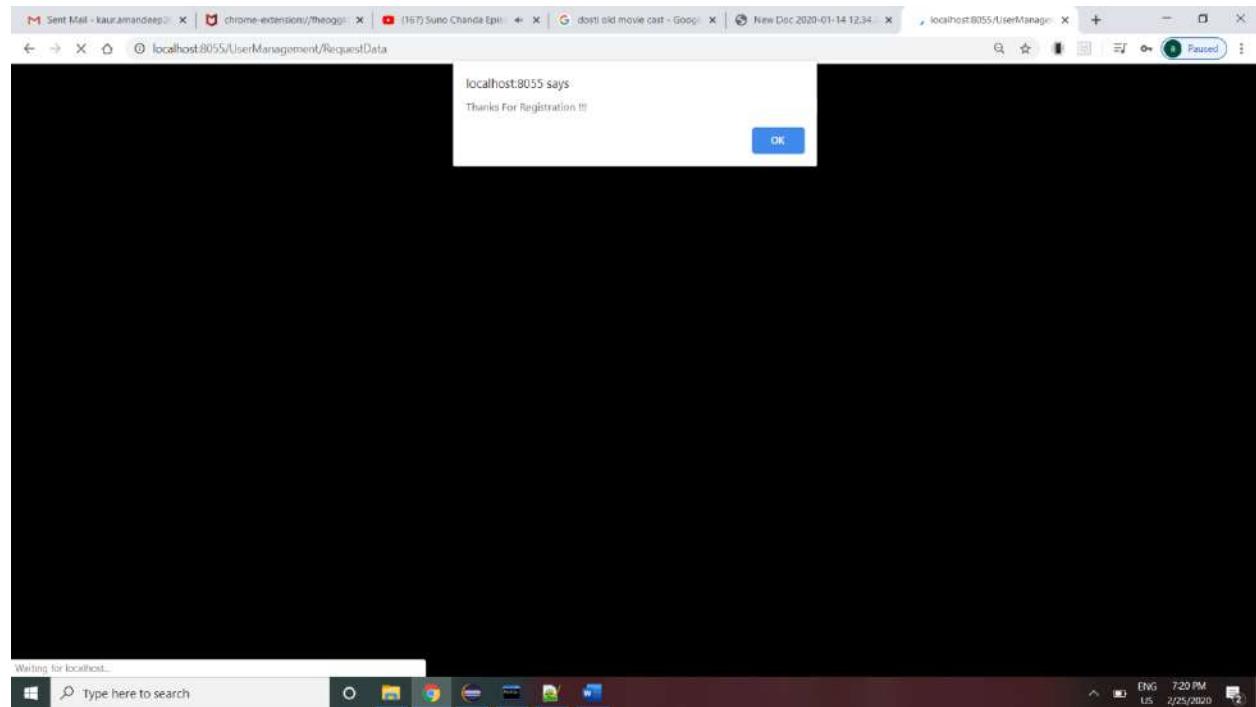
- Email Address: jya@gmail.com
- Password: [redacted]
- Confirm Password: [redacted]
- First Name: Jya
- Last Name: Hazarai Ali
- Date Of Birth: 01/05/2019
- Phone Number: 9876543210
- City: Karachi
- Captcha Code: U O I Z W V X

Below the form are two buttons: "Sign Up" (in blue) and "Login" (in green).

The browser's address bar shows the URL: localhost:8055/UserManagement/signup.html. The status bar at the bottom right indicates the date and time: 7:19 PM, 2/25/2020.

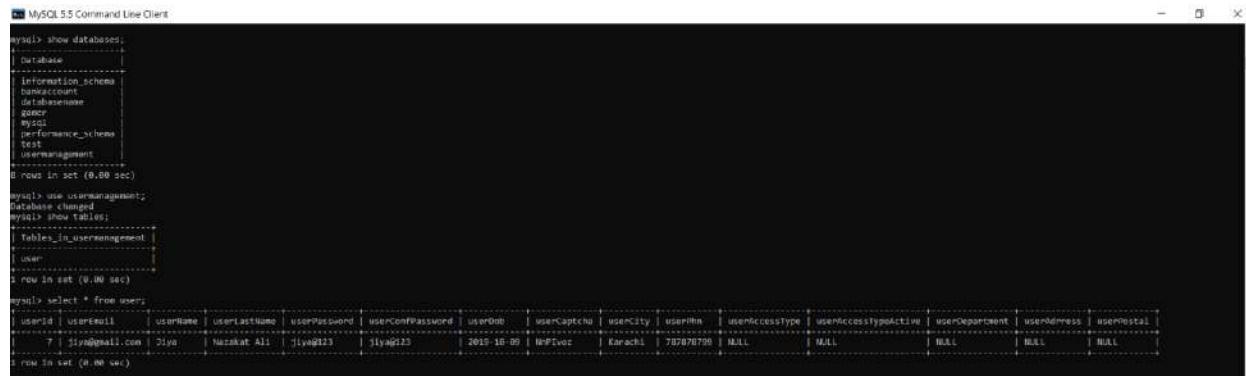
In Image – 3, data filled by user is saved and pop-up message will be reflected on the screen which confirms that account has been created.

Image – 3.



In Image – 4 , user's data has been saved in the database under ‘users’ table.

Image – 4.



```

mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| gameaccount        |
| databaseengine     |
| game               |
| report             |
| performance_schema |
| test               |
| usermanagement     |
+--------------------+
0 rows in set (0.00 sec)

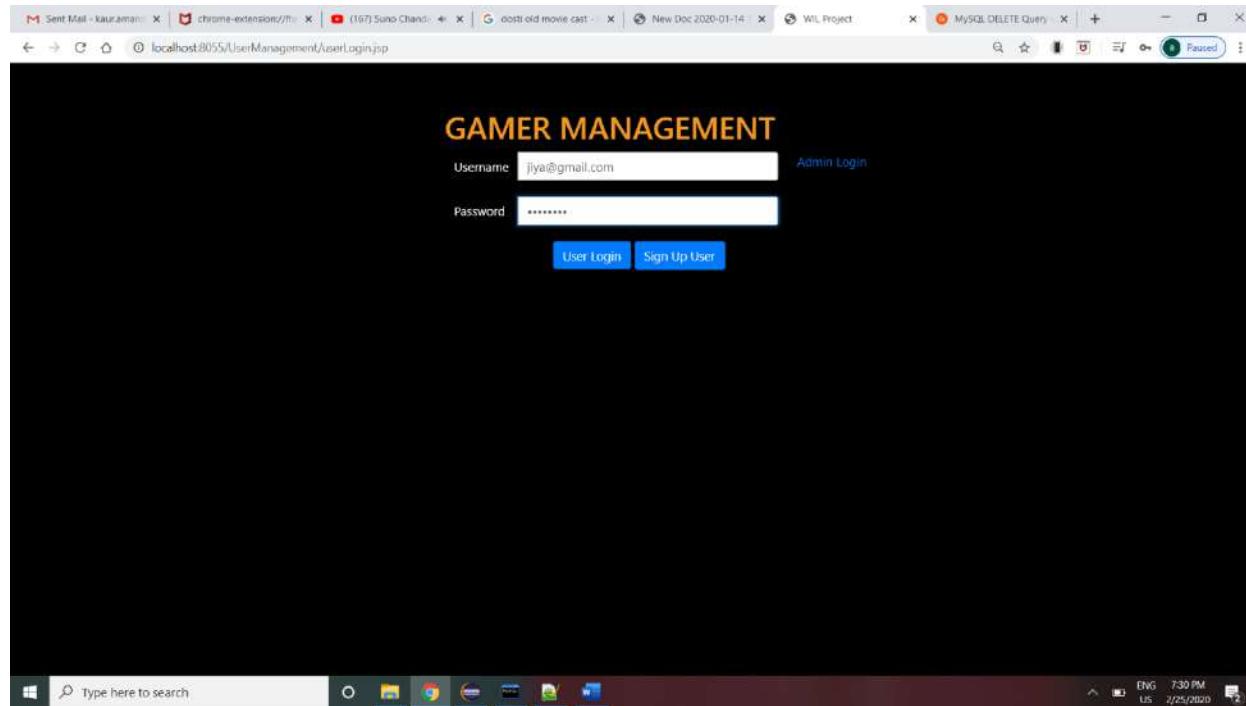
mysql> use usermanagement;
Database changed
mysql> show tables;
+----------------+
| Tables_in_usermanagement |
+----------------+
| user                   |
+----------------+
1 row in set (0.00 sec)

mysql> select * from user;
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | userName | userLastName | userPassword | userConPassword | userDOB | userCaptcha | userCity | userName | userAccessType | userAccessTypeDetail | userDepartment | userEmail | userPostal |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 7    | jiya@gmail.com | Jiya | Nazakat Ali | Jiya@123 | Jiya@123 | 2019-10-09 | HiP@2 | Karachi | Jiya | 1                | 1                | null       | null       | null       |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

```

In Image – 5, the same user named ‘Jiya’ will fill her credentials and sign in by clicking on **User Login** button.

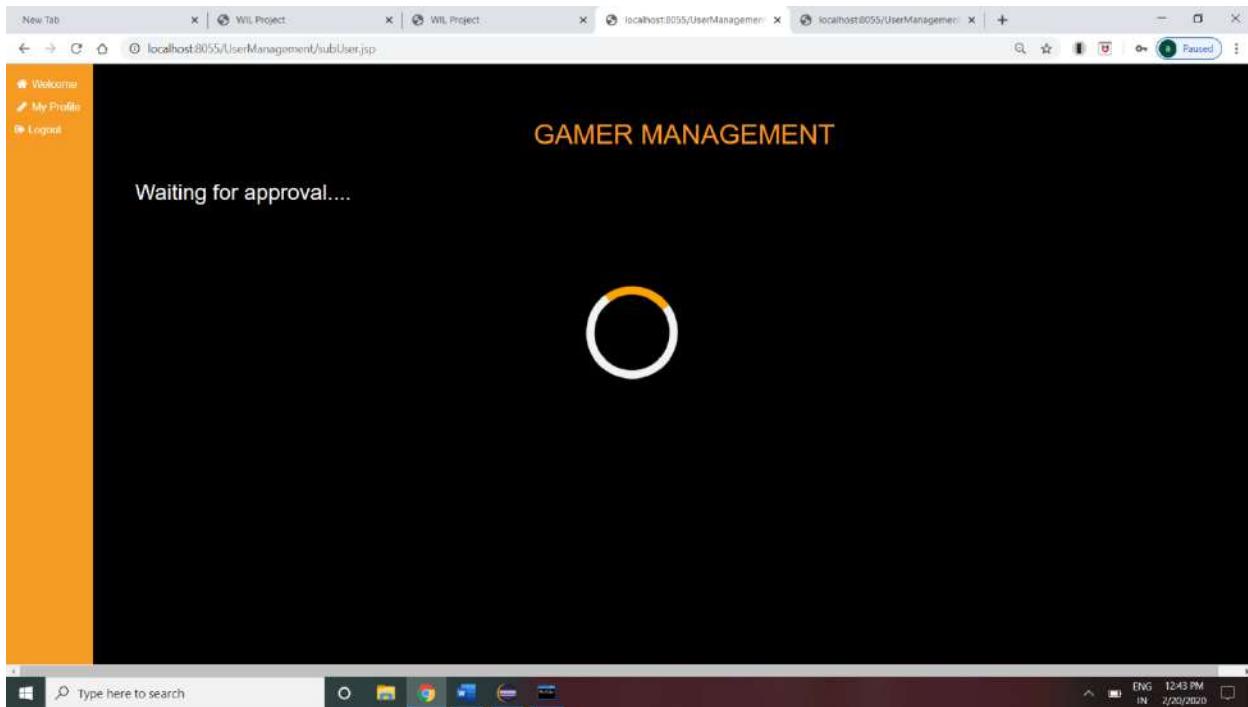
Image – 5.



The screenshot shows a web browser window with the URL localhost:8055/UserManagement/UserLogin.jsp. The page title is "GAMER MANAGEMENT". It contains two input fields: "Username" with the value "jiya@gmail.com" and "Password" with the value "*****". Below the password field is a "User Login" button. To the right of the password field is a link "Admin Login". The browser's taskbar at the bottom shows several open tabs, including "Sent Mail - kauramani", "chrome-extension://ff...", "(167) Sund Chandi", "cost old movie cast", "New Doc 2020-01-14", and "WIL Project". The system tray indicates the date as 2/25/2020 and the time as 7:30 PM.

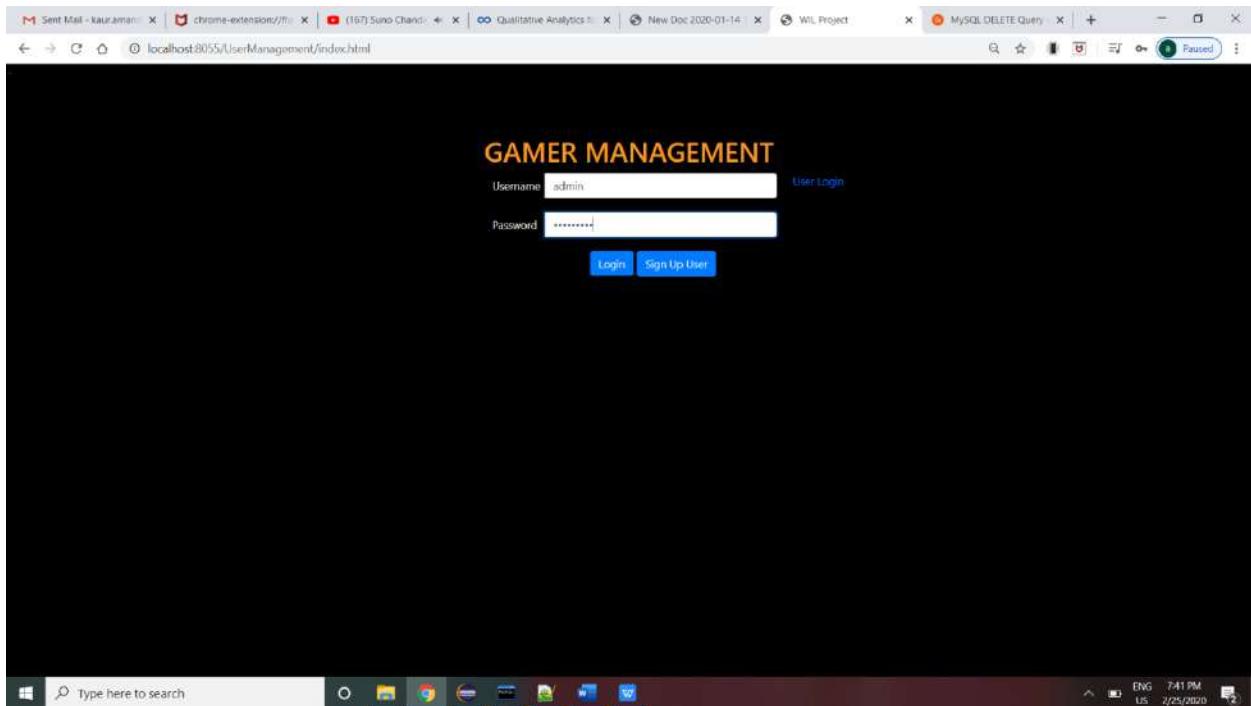
In Image – 6, After clicking on **User Login** button, next screen will show message “Waiting for approval” which means that user needs to get *Access Type* and *Department* from the Admin to being a Regular User.

Image – 6.



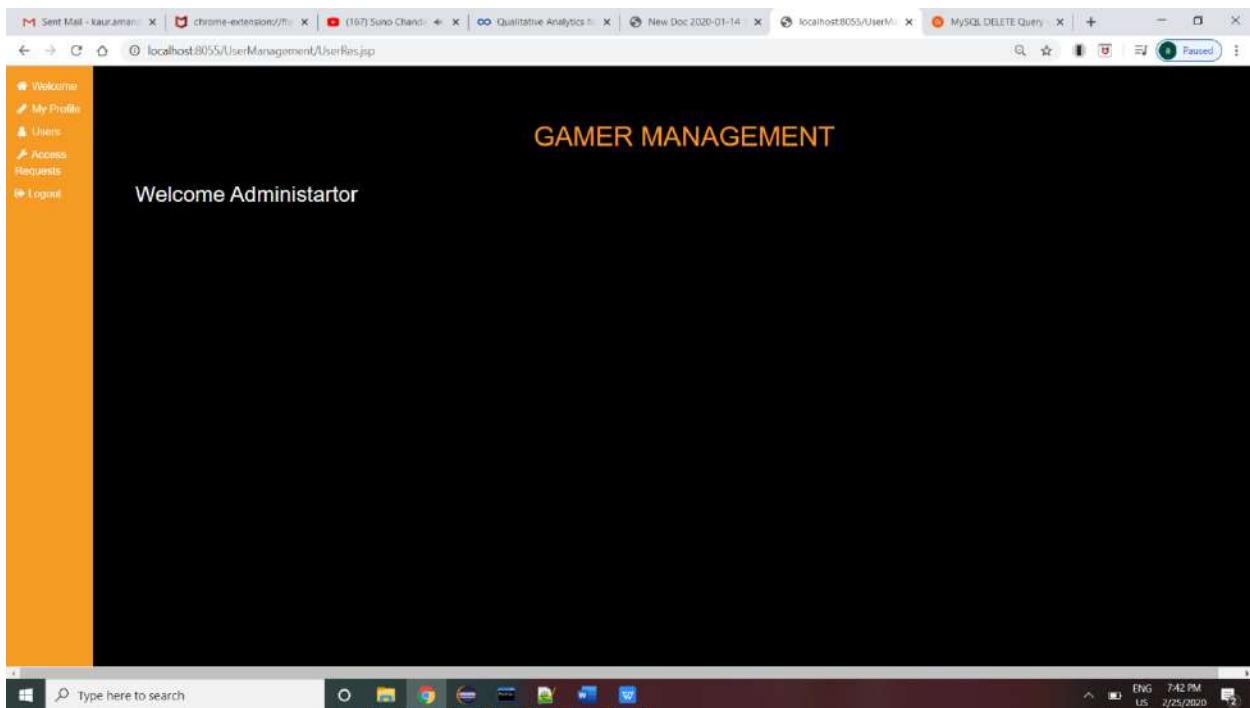
In Image – 7, Admin will login to his account by using **Login** button.

Image – 7.



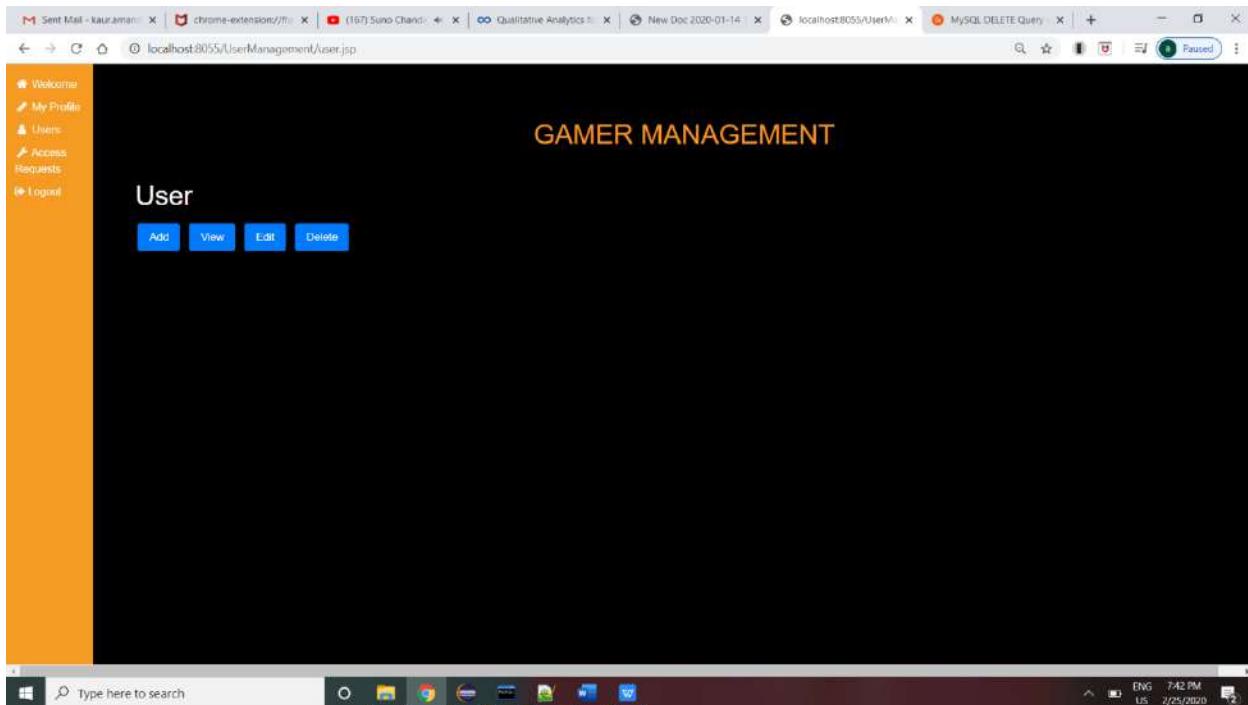
After, clicking on Login button, Admin will be navigated to welcome screen.

Image – 8.



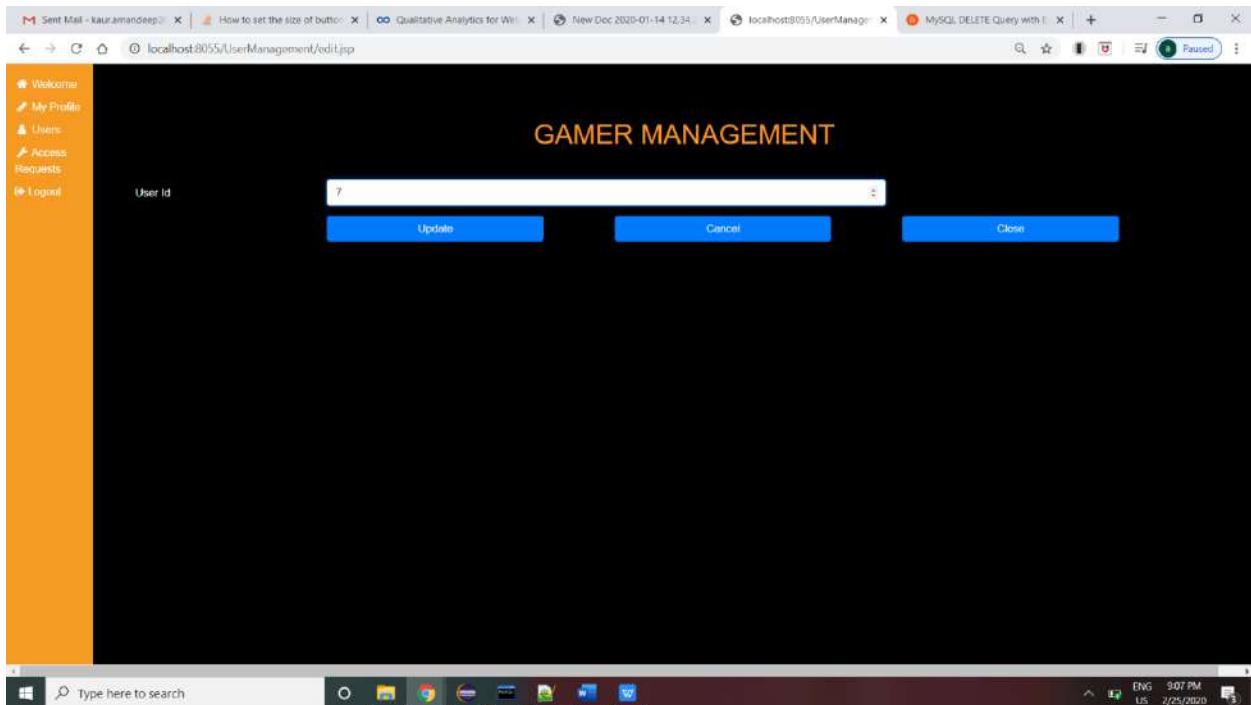
In Image – 9, Admin will go to **Users** tab, in which he will click on **Edit**.

Image – 9.



In Image – 10, here, Admin has to fill User Id of user (who has signed up) and click on **Update** button.

Image – 10.



In Image – 11 and 11.1, User's data will be automatically pulled to this screen and Admin will provide her *Access Type* and *Department*. In Image 11.3 Admin will click on **Update** button.

Image – 11.

The screenshot shows a Windows desktop environment with a browser window open to 'localhost:8055/UserManagement/edit.jsp'. The title bar of the browser says 'localhost:8055/UserManagement/edit.jsp'. The main content area is titled 'GAMER MANAGEMENT' in orange. On the left, there is a vertical navigation menu with icons for 'Welcome', 'My Profile', 'Users', 'Access Requests', and 'Logout'. The main form has fields for 'User Id' (containing '1User Id'), 'Email Address' (containing 'jyoti@gmail.com'), 'Password' (containing '*****'), 'First Name' (containing 'Jyoti'), 'Last Name' (containing 'Nazakat Ali'), 'Date Of Birth' (containing '10/09/2019'), 'Access Type' (set to 'Regular Access User'), 'Phone Number' (containing '9876543210'), 'Department' (set to 'Elevated Access User'), 'Address' (containing 'null'), and 'Postal' (empty). At the bottom of the form are three buttons: 'Update' (highlighted in blue), 'Cancel', and 'Close'. The status bar at the bottom of the screen shows 'Type here to search', the taskbar with various pinned icons, and system information like 'ENG US 9:07 PM 2/25/2020'.

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Image – 11.1.

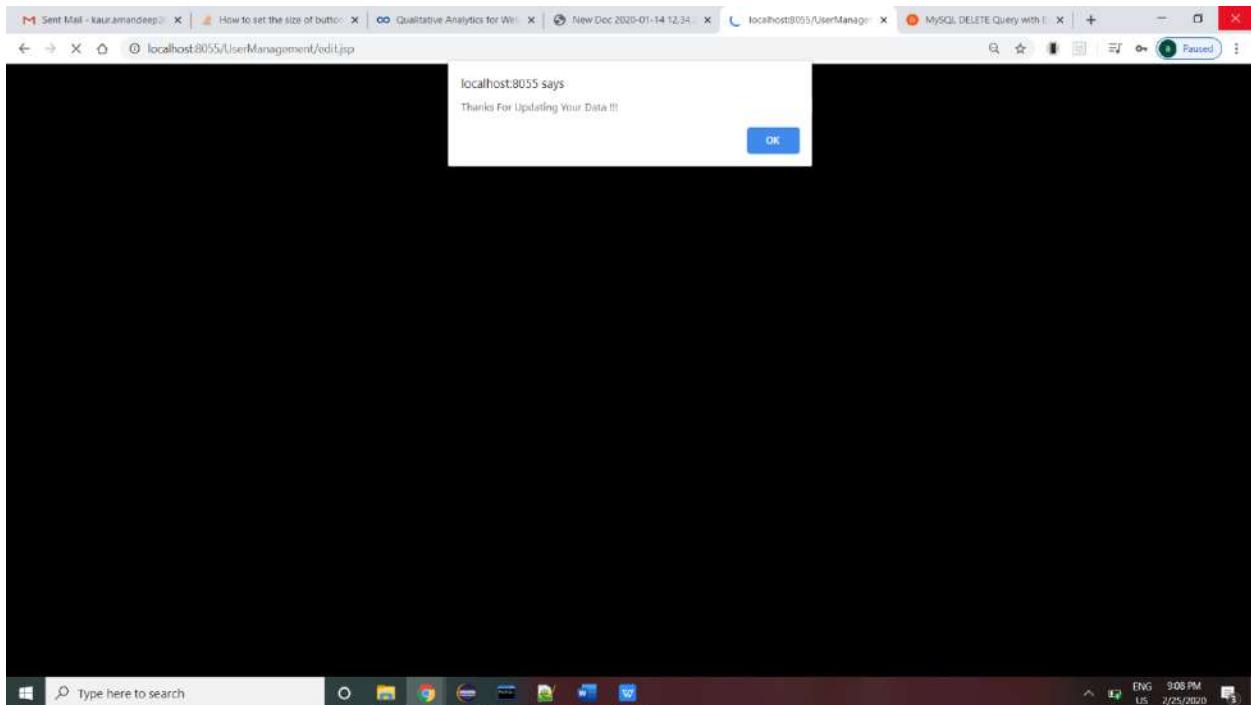
The screenshot shows a Windows desktop environment with multiple open browser tabs. The active tab displays a 'GAMER MANAGEMENT' update form for a user. The form includes fields for User Id, Email Address (jya@gmail.com), Password (*****), First Name (Jiya), Last Name (Nazakat Ali), Date Of Birth (10/09/2019), Access Type (Regular Access User), Phone Number (787878799), and a Department dropdown menu. The 'Department' dropdown is open, showing options like Department, Technology, Real Time Strategy, Board Games, and Arcade Games, with 'Board Games' currently selected. The form has standard 'Update', 'Cancel', and 'Close' buttons at the bottom.

Image – 11.3.

This screenshot shows the same 'GAMER MANAGEMENT' update form as the previous one, but with a different state. The 'Department' dropdown menu is now closed, and the 'Address' field contains the value '23 West'. The other fields remain the same as in Image 11.1. The Windows taskbar and system tray are visible at the bottom.

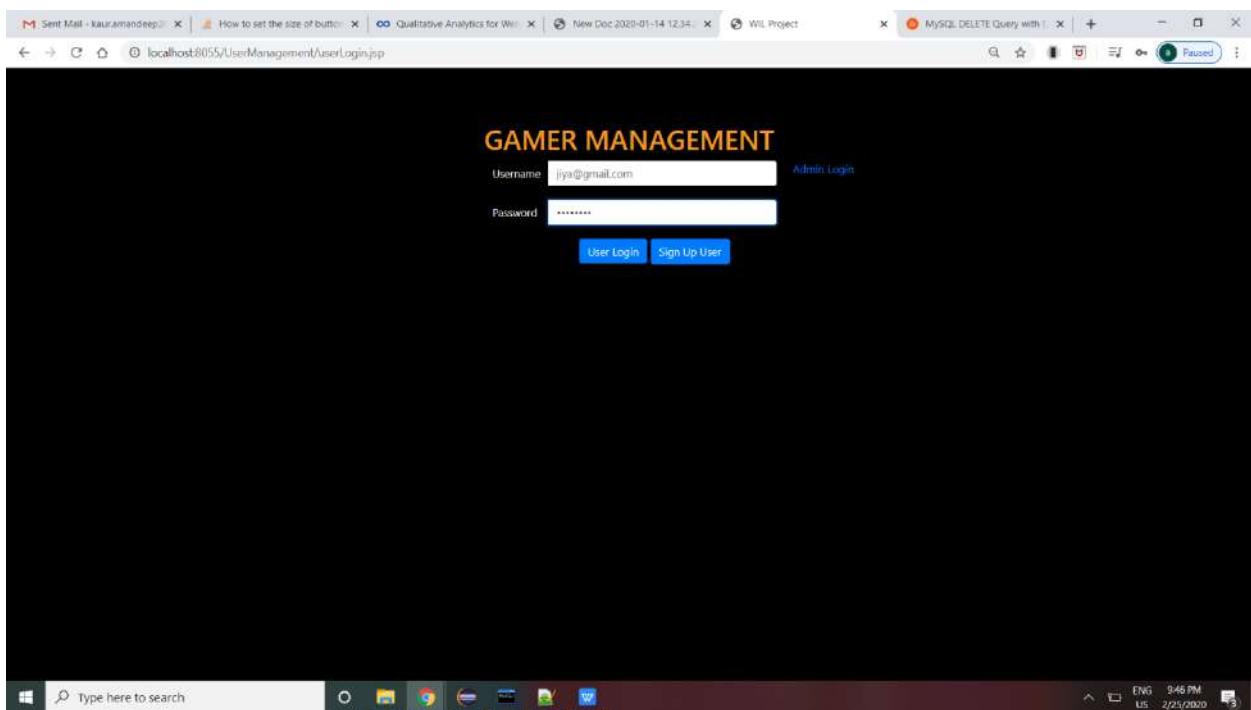
In Image – 12, After clicking on Update button, Admin will see the next screen with a pop-up message “Thanks for Updating Your Data”.

Image – 12.



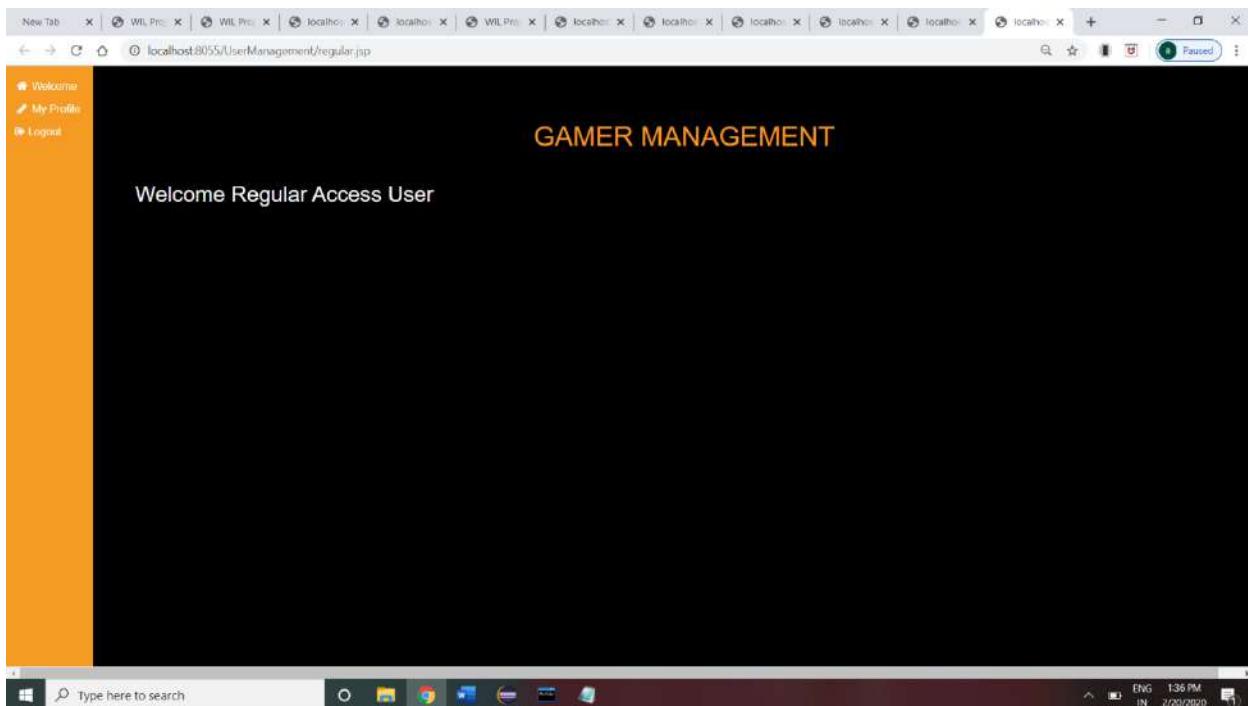
In Image – 13, User will login into her account using credentials.

Image – 13.



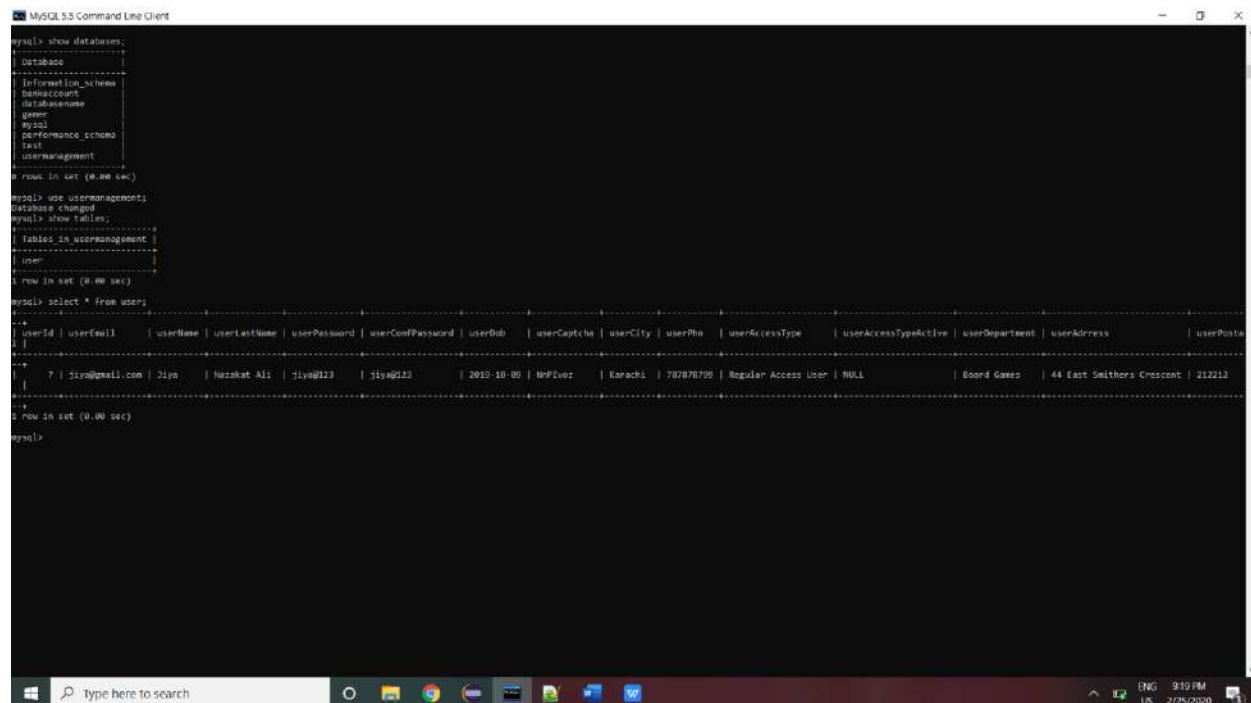
In Image – 14, User will be logged in and see next screen with welcome message “Welcome Regular Access User”. (As Admin has provided her Access Type and Department, so she becomes Regular Access User.)

Image - 14.



In Image – 15. Admin can see the database in which user's information has been updated.

Image – 15.



The screenshot shows a Windows desktop with a MySQL Command Line Client window open. The window displays a command-line session. The user runs several commands to show databases, change the database to 'usermanagement', and then select all columns from the 'user' table. The output shows one row of data for a user named 'Jiya'. The taskbar at the bottom shows various application icons, and the system tray indicates the date and time as 2/25/2020, 9:19 PM.

```
mysql> show databases;
+ Database +
| information_schema |
| backupaccount |
| database |
| general |
| mysql |
| performance_schema |
| test |
| usermanagement |
+ rows in set (0.00 sec)

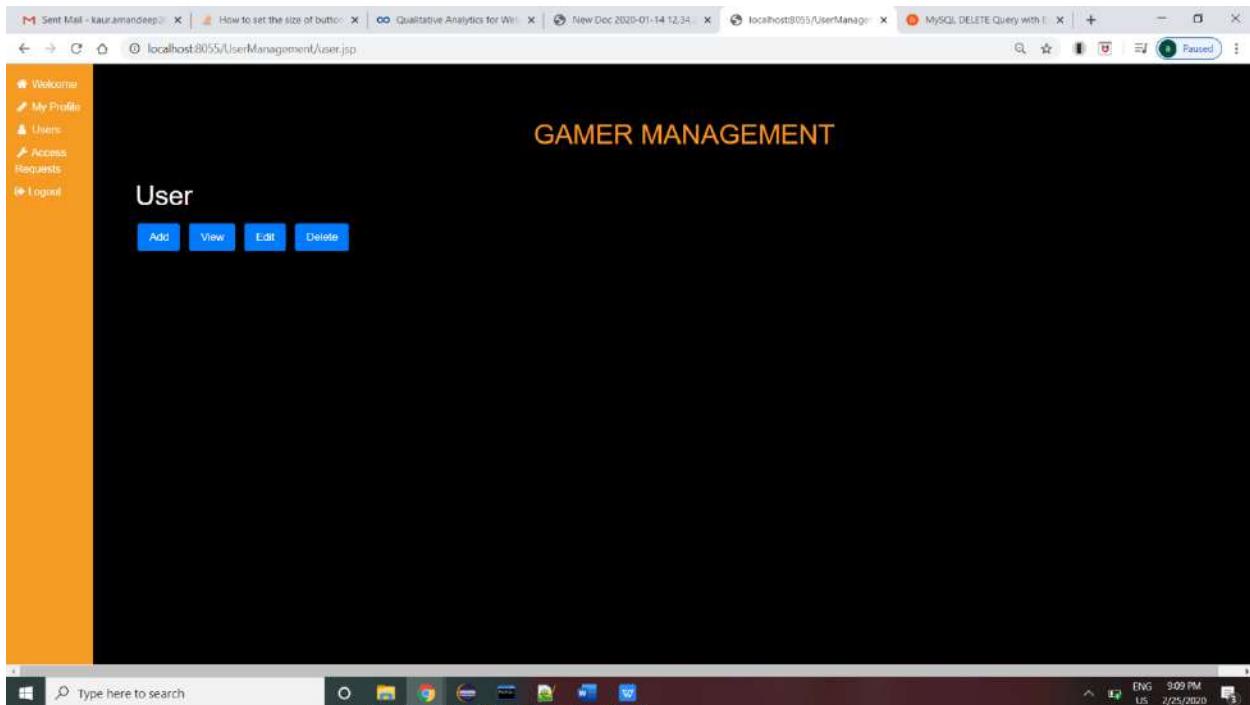
mysql> use usermanagement;
Database changed
mysql> show tables;
+ Tables_in_usermanagement +
| user |
+ rows in set (0.00 sec)

mysql> select * from user;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | userName | userLastName | userPassword | userDbName | userCaptcha | userCity | userPhn | userAccessType | userAccessTypeActive | userDepartment | userAddress |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 7 | jiya@gmail.com | Jiya | Nazakat Ali | Jiya@123 | Jiya@123 | 2019-10-09 | NMP123 | Karachi | 707070798 | Regular Access User | NULL | Board Games | 44 East Smithers Crescent | 212211 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

In Image – 16, Admin will Login to his account and goes to **Users** tab and click on **Edit** button.

Image – 16.



In Image – 17, After clicking on Edit button Admin will see this screen and fill the Id of User whose information is to be edited. User can check the User id from the database. After this, User will click on **Update** button.

Image - 17.

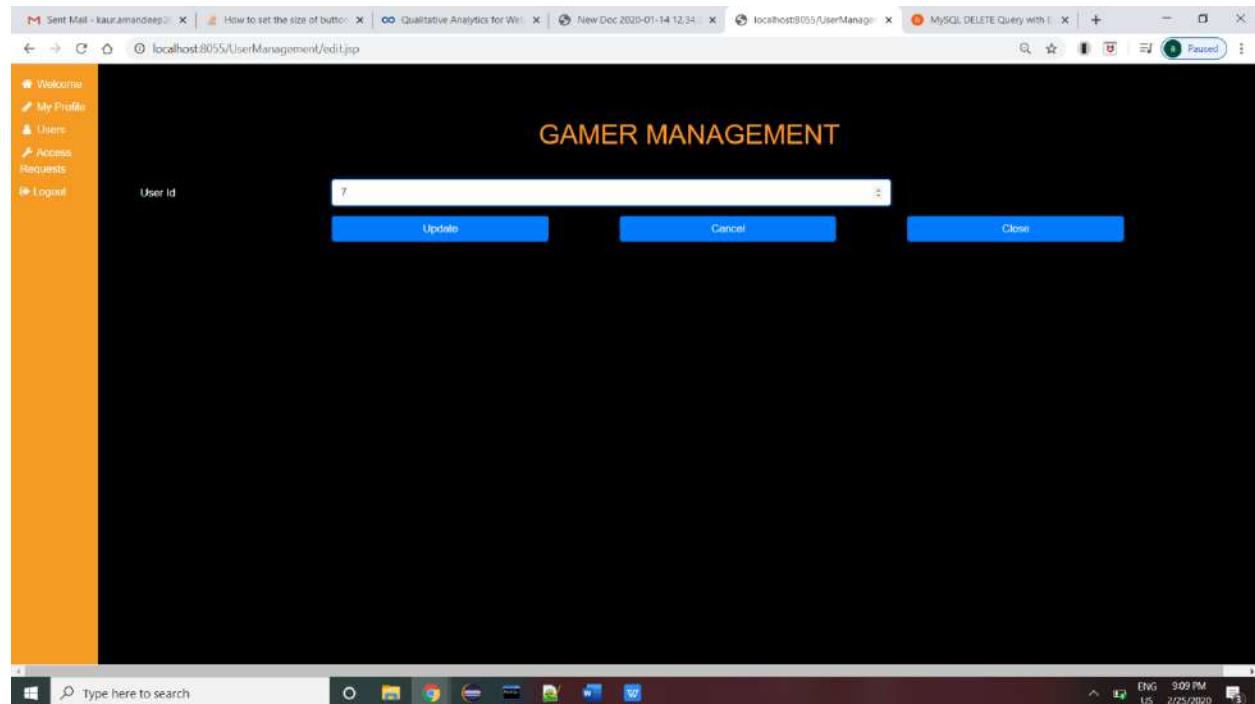


Image – 18, User named ‘Jiya Nazakat Ali’, her information will be automatically pulled to this screen and Admin will change the *Department* from *Board Games* to *Real Time Strategy* using dropdown list

Image – 19.

The screenshot shows a Windows desktop environment with multiple open browser tabs. The active tab displays the 'UserManagement/edit.jsp' page titled 'GAMER MANAGEMENT'. On the left, a vertical orange sidebar menu lists: Welcome, My Profile, Users, Access Requests, and Logout. The main form contains fields for User ID (disabled), Email Address (jya@gmail.com), Password (disabled), First Name (Jiya), Last Name (Nazakat Ali), Date Of Birth (10/09/2019), Access Type (Regular Access User), Phone Number (787878799), Department (dropdown menu), Address (disabled), and Postal (disabled). The 'Department' dropdown menu is open, showing options: Department, Technology, Real Time Strategy (highlighted in blue), Board Games, and Arcade Games. At the bottom of the form are three buttons: Update, Cancel, and Close.

In Image – 19, Admin updated the address of the user and click on **Update** button to save the changes.

Image – 19.

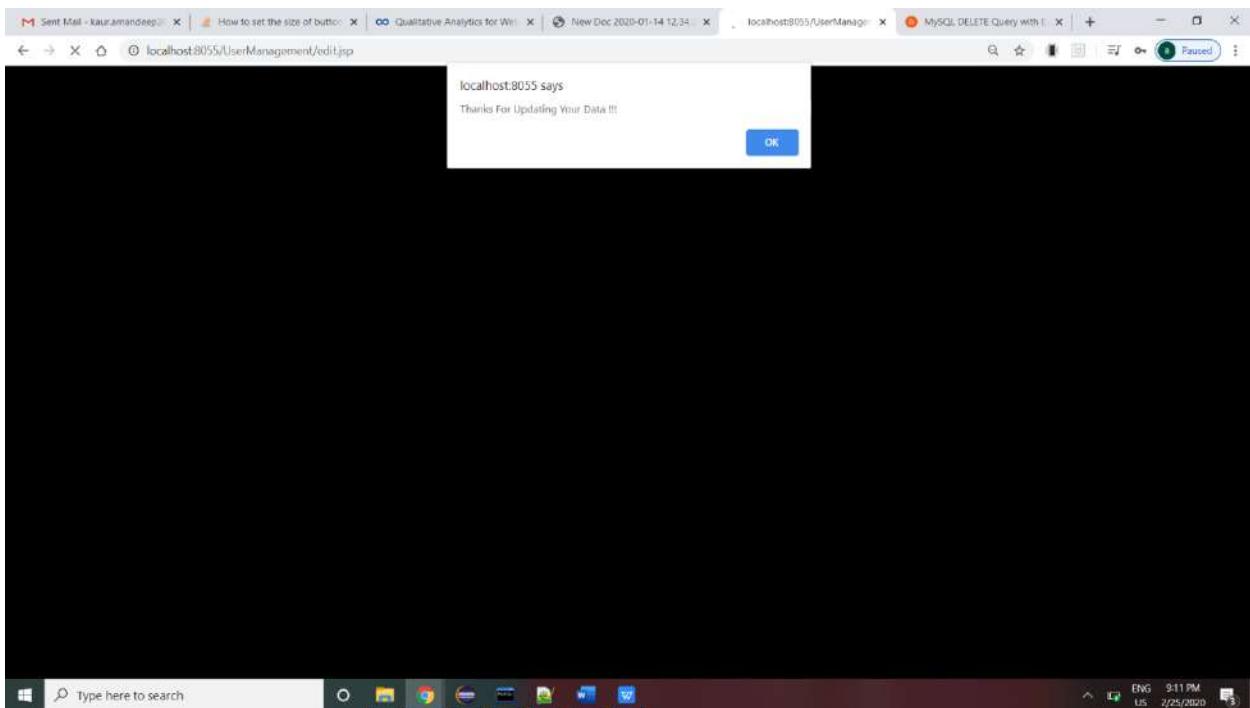
The screenshot shows a Windows desktop environment with a black-themed application window titled "GAMER MANAGEMENT". The window contains a form for updating a user's information. The fields and their current values are:

User Id	UserId
Email Address	jya@gmail.com
Password	*****
First Name	Jiya
Last Name	Nazakat Ali
Date Of Birth	10/09/2019
Access Type	Regular Access User
Phone Number	787878799
Department	Real Time Strategy
Address	100 West Maple Crescen[
Postal	212212

At the bottom of the dialog are three buttons: "Update" (highlighted in blue), "Cancel", and "Close". The application is running on a Windows 10 operating system, as indicated by the taskbar at the bottom.

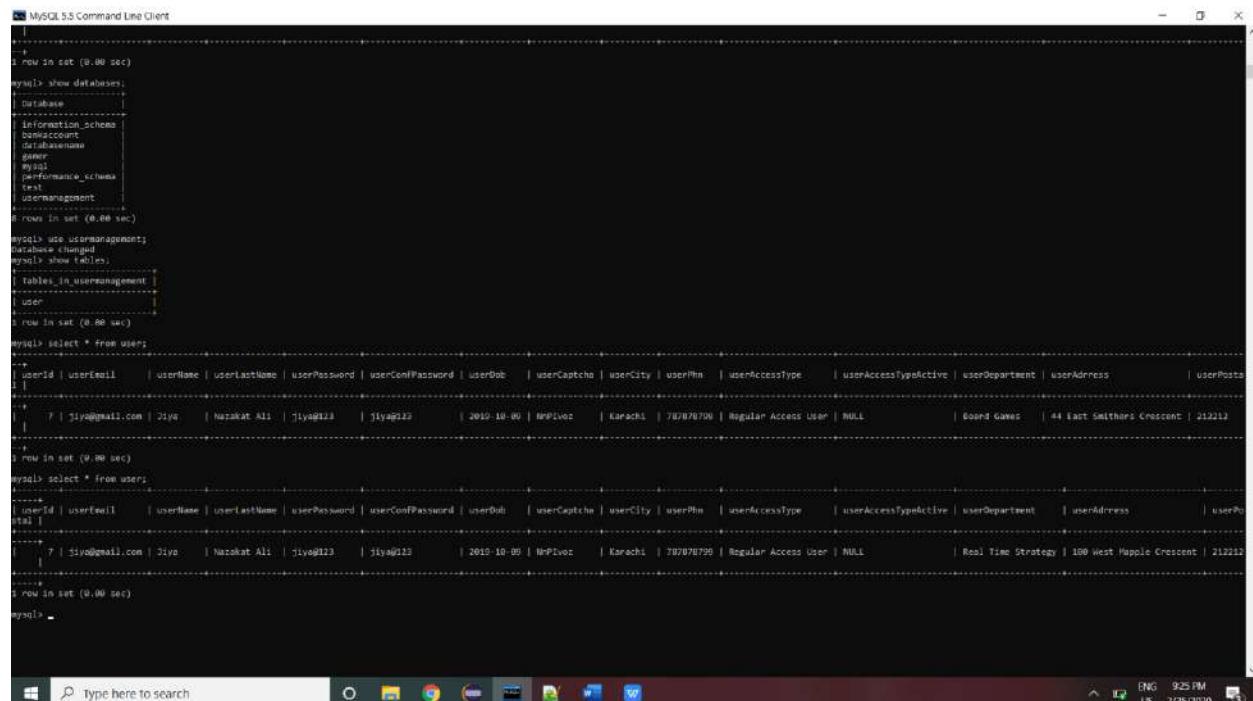
In Image – 20, a pop – up message will be shown to confirm that data is successfully updated.

Image – 20.



In Image – 21, data is also updated in the database as changes can be seen in ‘User’ table. Previously, The *Department* of user was ‘**Board Games**’ and *Address* was ‘**44 East Smithers Crescent**’. After updating, the *Department* is ‘**Real Time Strategy**’ and *Address* is ‘**100 West Maple Crescent**’.

Image -21.



The screenshot shows a terminal window for MySQL 5.5 Command Line Client. The user has run several commands to show databases, tables, and data from the 'usermanagement' database's 'user' table. The first two queries show the structure of the 'user' table with columns like userId, userEmail, userName, etc. The third query displays a single row of data where the user's department is 'Board Games' and address is '44 East Smithers Crescent'. The fourth query updates the same row, changing the department to 'Real Time Strategy' and the address to '100 West Maple Crescent'. The status bar at the bottom indicates the system is running ENG 9:25 PM on 2/25/2020.

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema|
| gameaccount       |
| gamebase          |
| gameplay          |
| performance_schema|
| test              |
| usermanagement   |
+--------------------+
0 rows in set (0.00 sec)

mysql> use usermanagement;
Database changed
mysql> show tables;
+----------------+
| Tables_in_usermanagement |
+----------------+
| user |
+-----+
1 row in set (0.00 sec)

mysql> select * from user;
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | userName | userLastName | userPassword | userConfPassword | userDb     | userCaptcha | userCity | userPhn | userAccessType | userAccessTypeActive | userDepartment | userAddress | userPhone |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
|    7 | jiy@gmail.com | Jiyu | Nazakat Ali | jiyu@123 | jiyu@123 | 2010-10-00 | MPHvoz | Karachi | 707070700 | Regular Access User | NULL | Board Games | 44 East Smithers Crescent | 212212 |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

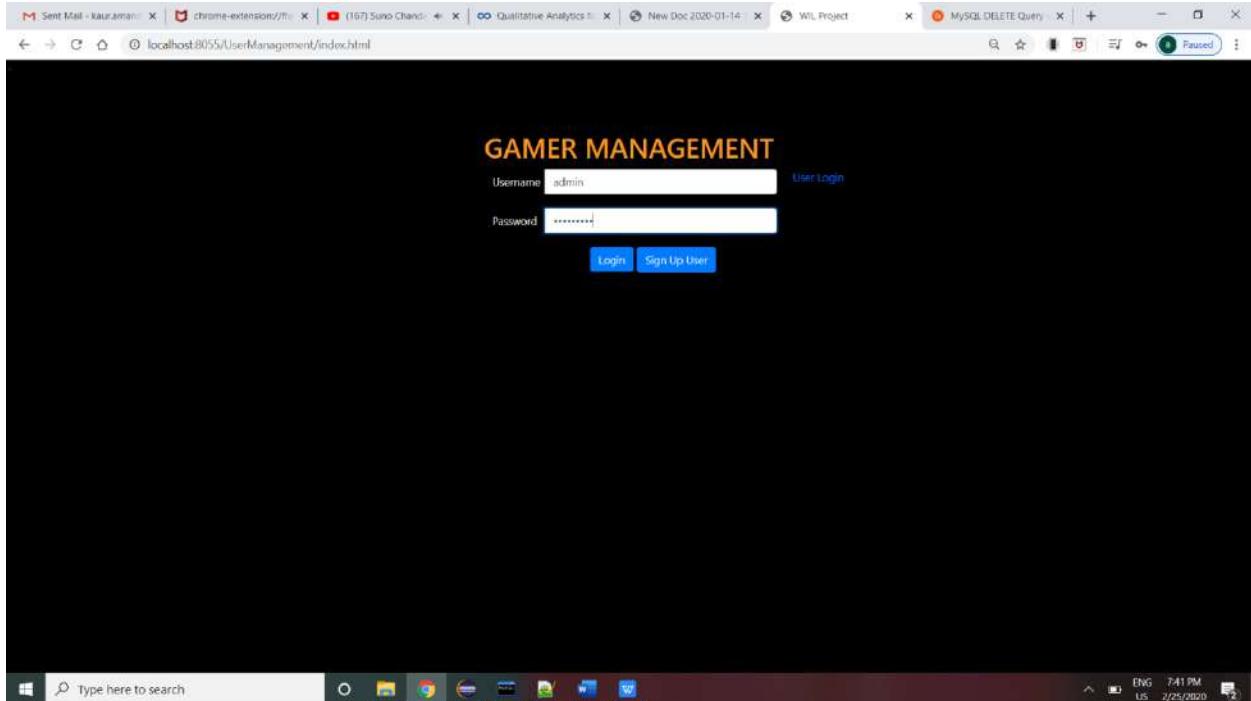
mysql> select * from user;
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | userName | userLastName | userPassword | userConfPassword | userDb     | userCaptcha | userCity | userPhn | userAccessType | userAccessTypeActive | userDepartment | userAddress | userPhone |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
|    7 | jiy@gmail.com | Jiyu | Nazakat Ali | jiyu@123 | jiyu@123 | 2010-10-00 | MPHvoz | Karachi | 707070700 | Regular Access User | NULL | Real Time Strategy | 100 West Maple Crescent | 212212 |
+----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
1 row in set (0.00 sec)

mysql>
```

Now, In this part Admin will add the user directly in this Web App Gamer Management .

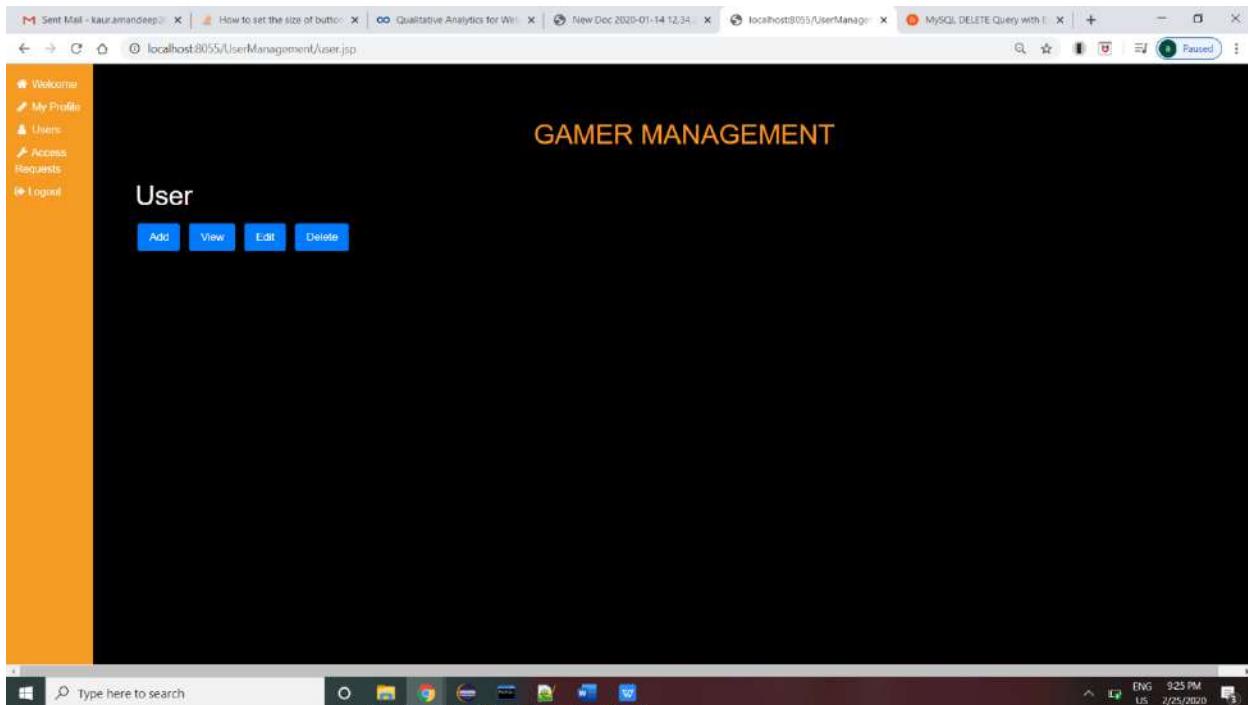
In Image 21.1 For this, Admin will Login to his account.

Image -21.1



In Image – 22, Admin will go to **Users** tab and click on **Add** button to add a new user directly on this app.

Image – 22.



In Image – 23 and 23.1, Admin will see this screen in which admin will fill all required fields and click on save button to save the changes.

Image - 23.

The screenshot shows a web browser window with multiple tabs open at the top. The active tab is titled "localhost:8055/UserManagement/add.jsp". The main content area displays a form titled "GAMER MANAGEMENT" with the heading "Add User". The form includes the following fields:

Email Address	sana@gmail.com
Password	*****
First Name	Sana
Last Name	Khan
Date Of Birth	02/08/2020
Access Type	Regular Access User
Phone Number	Regular Access User
Department	Elevated Access User
Address	Address
Postal	Postal

At the bottom of the form are two buttons: "save" and "Cancel". The "save" button is highlighted in blue, indicating it is the active or intended action. The background of the page features a dark theme with orange highlights on the left sidebar and the title bar.

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Image 23.1.

The screenshot shows a web browser window with multiple tabs open. The active tab is titled "localhost:8055/UserManagement/add.jsp". The page has a dark background with orange accents. On the left, there's a vertical sidebar with icons for "Welcome", "My Profile", "Users", "Access Requests", and "Logout". The main title "GAMER MANAGEMENT" is centered at the top. Below it, the heading "Add User" is displayed. The form consists of several input fields:

- Email Address: sana@gmail.com
- Password: (redacted)
- First Name: Sana
- Last Name: Khan
- Date Of Birth: 02/06/2020
- Access Type: Regular Access User
- Phone Number: 89999999
- Department: (dropdown menu showing "Department", "Dopartment", "Technology")
- Address: (dropdown menu showing "Technology", "Real Time Strategy", "Board Games", "Arcade Games")
- Postal: (dropdown menu showing "Real Time Strategy", "Board Games", "Arcade Games")

The "Address" dropdown is currently set to "Technology". The bottom of the screen shows a Windows taskbar with various icons and a search bar.

In Image - 24. Admin filled all required fields and then click on SAVE button. After this, new User will be added. And data will be saved in database too shown in image 24.1

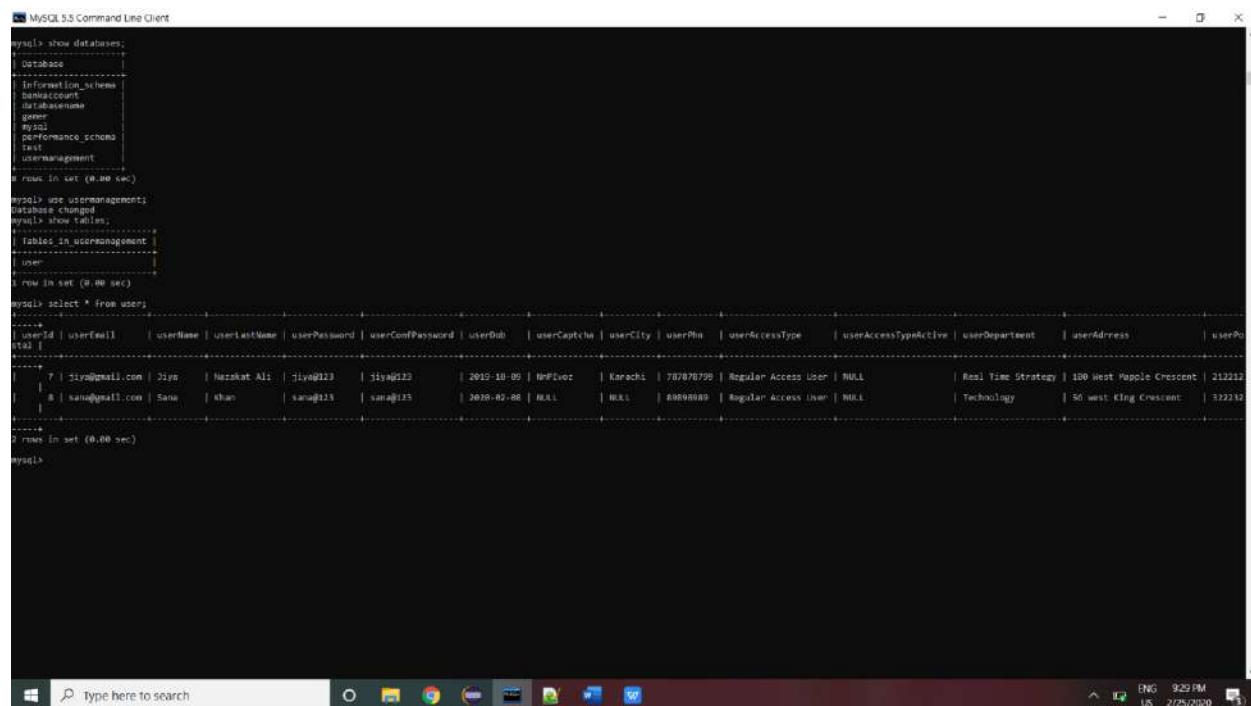
Image - 24.

The screenshot shows a web browser window with multiple tabs open at the top. The active tab is 'localhost:8055/UserManagement/add.jsp'. The page title is 'GAMER MANAGEMENT'. On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The main content area is titled 'Add User'. It contains the following form fields:

Email Address	sana@gmail.com
Password	*****
First Name	Sana
Last Name	Khan
Date Of Birth	02/08/2020
Access Type	Regular Access User
Phone Number	8999999999
Department	Technology
Address	56 west King Crescent
Postal	322232

At the bottom of the form are two buttons: 'Save' (highlighted in blue) and 'Cancel'.

Image - 24.1.



The screenshot shows a terminal window titled "MySQL 5.5 Command Line Client". The user has run several commands to manage databases and users:

```
mysql> show databases;
+--------------------+
| Database           |
+--------------------+
| information_schema |
| bankaccount        |
| datbaseinfo         |
| mysql              |
| performance_schema |
| test               |
| usermanagement    |
+--------------------+
1 row in set (0.00 sec)

mysql> use usermanagement;
Database changed
mysql> show tables;
+-----+
| Tables_in_usermanagement |
+-----+
| user                         |
+-----+
1 row in set (0.00 sec)

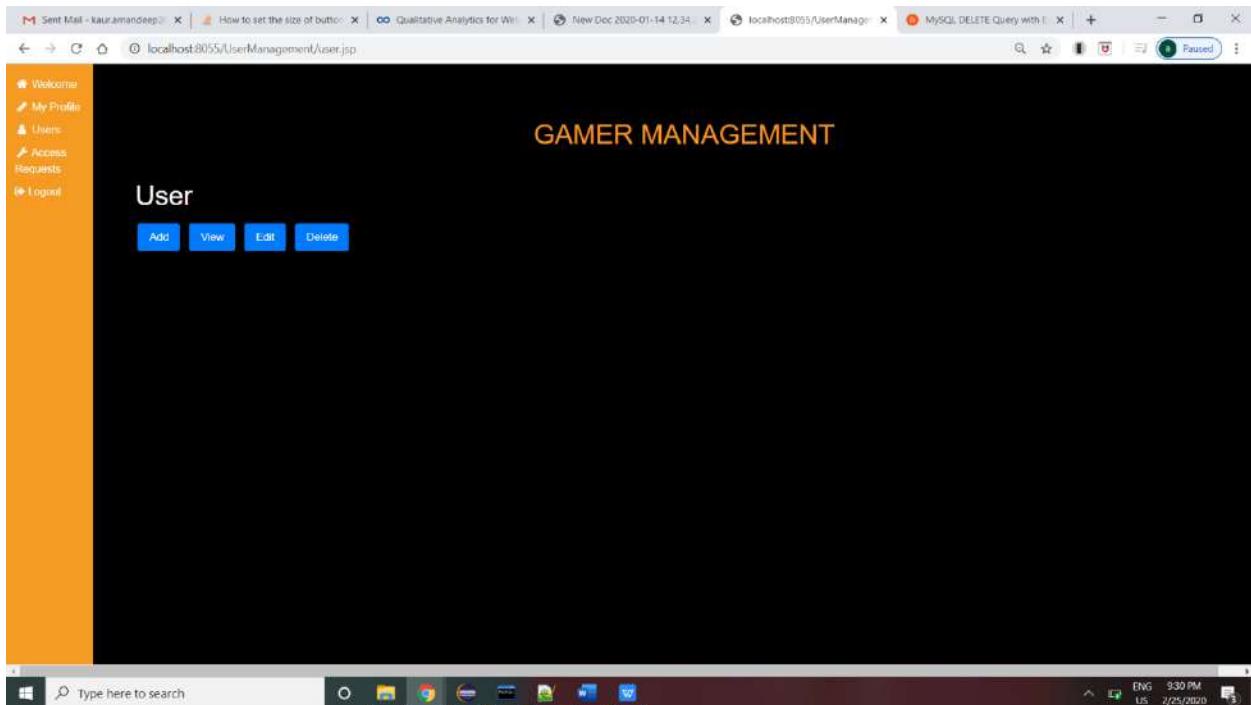
mysql> select * from user;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | userName | userLastName | userPassword | userConfPassword | userDbId | userCaptcha | userCity | userPhn | userAccessType | userAccessTypeActive | userDepartment | userAddress | userRole |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 7     | ziya@gmail.com | Ziya   | Nazakat Ali | Ziya@123   | Ziya@123       | 2010-10-09 | MNPivot   | Karachi  | 707070706 | Regular Access User | NULL          | Real Time Strategy | 100 West Maple Crescent | 212222 |
| 8     | sana@gmail.com  | Sana   | Ishaan      | sana@123   | sana@123       | 2020-02-08 | NULL       | NULL     | 808988899 | Regular Access User | NULL          | Technology        | 50 west King Crescent | 322232 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+

1 row in set (0.00 sec)

mysql>
```

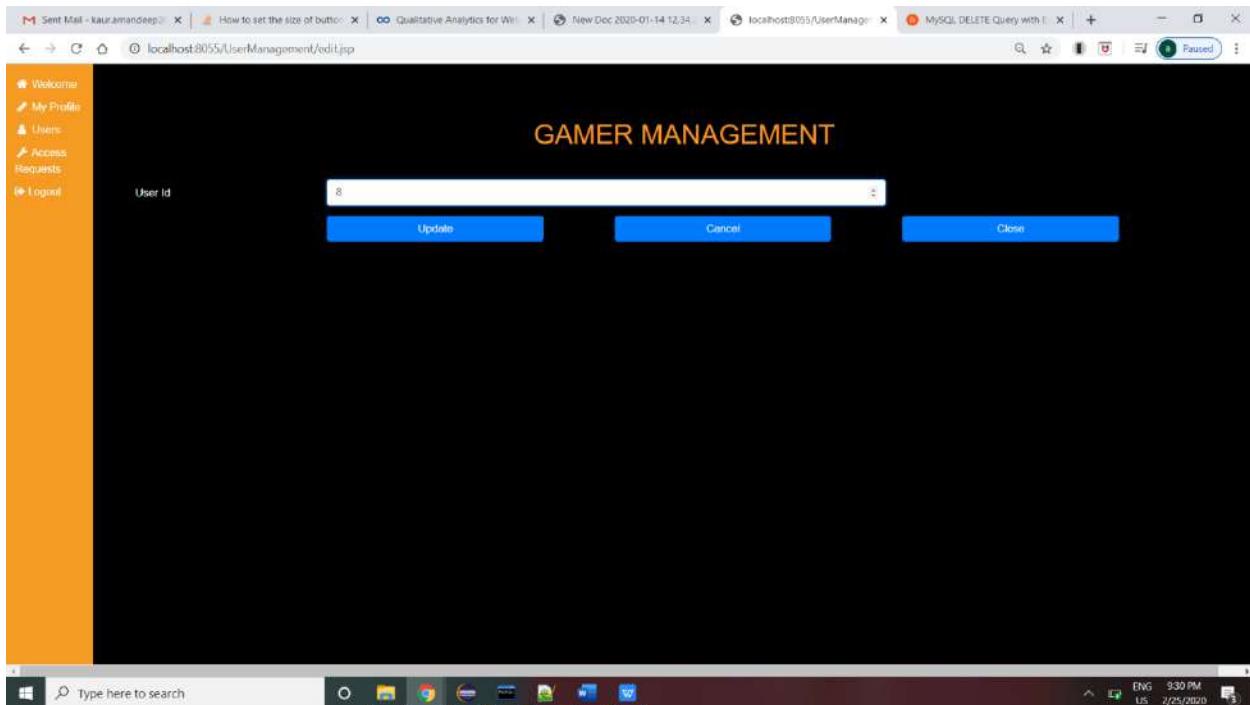
To perform editing, Admin will go to the **Users** Tab and click on **Edit** button and then navigated to the next screen as shown in Image - 25.

Image - 25.



In Image - 26. Admin will fill the User id, whose information is to be edited, and click on **Update** button.

Image - 26.



In Image - 27. Admin can edit any field. For now, he edited the *Department* and *Address* of the user and click on Update button to save the changes, confirmed in Image -27.1 by showing a pop- up message.

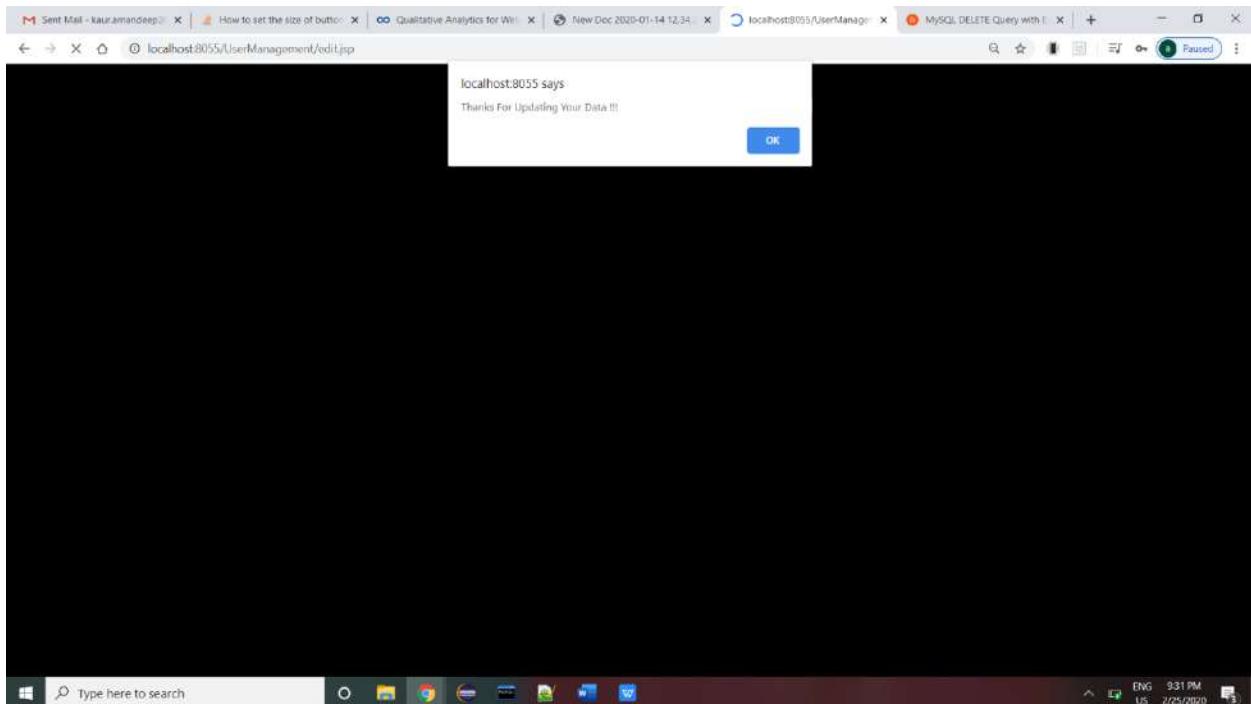
Image - 27.

The screenshot shows a web browser window titled "GAMER MANAGEMENT". The URL in the address bar is "localhost:8055/UserManagement/edit.jsp". The page has a dark background with orange header and sidebar elements. On the left, there is a vertical sidebar with icons for Welcome, My Profile, Users, Requests, and Logout. The main content area is titled "GAMER MANAGEMENT". It contains a form for editing a user's information. The form fields are:

User Id	<input type="text"/>	Update	Cancel	Close
Email Address	sana@gmail.com			
Password	*****			
First Name	Sana			
Last Name	Wazid Khan			
Date Of Birth	02/08/2020			
Access Type	Regular Access User			
Phone Number	866898989			
Department	Aracade Games			
Address	56 west King Crescent			
Postal	322232			

At the bottom of the form, there are two buttons: "Update" and "Cancel".

Image - 27.1.



In Image - 28. changes made by Admin can be seen in the database. Earlier the Department was Technology and LastName was Khan . After editing, Department is Arcade Games and Last Name is Wazid Khan.

Image - 28.

```
MySQL 5.5 Command Line Client

mysql> show databases;
+-----+
| Database |
+-----+
| information_schema|
| mysql |
| performance_schema|
| test |
| usermanagement |
+-----+
5 rows in set (0.00 sec)

mysql> use usermanagement;
Database changed
mysql> show tables;
+-----+
| Tables_in_usermanagement |
+-----+
| user |
+-----+
1 row in set (0.00 sec)

mysql> select * from user;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | userName | userLastName | userPassword | userConfPassword | userDb | userCaptcha | userCity | userPhn | userAccessType | userAccessTypeActive | userDepartment | userAddress | userPhone |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 7 | sily@gmail.com | Sily | Nazakat Ali | silya@123 | Silya@123 | 2010-10-09 | NMP123 | Karachi | 70070709 | Regular Access User | NULL | Real Time Strategy | 100 West Maple Crescent | 212222 |
| 8 | sano@gmail.com | Sano | Khan | sano@123 | sano@123 | 2020-02-08 | NULL | NULL | 80090909 | Regular Access User | NULL | Technology | 50 west King Crescent | 322232 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql> select * from user;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | userName | userLastName | userPassword | userConfPassword | userDb | userCaptcha | userCity | userPhn | userAccessType | userAccessTypeActive | userDepartment | userAddress | userPhone |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 7 | sily@gmail.com | Sily | Nazakat Ali | silya@123 | Silya@123 | 2010-10-09 | NMP123 | Karachi | 70070709 | Regular Access User | NULL | Real Time Strategy | 100 West Maple Crescent | 212222 |
| 8 | sano@gmail.com | Sano | Wazid Khan | sano@123 | sano@123 | 2020-02-08 | NULL | NULL | 80090909 | Regular Access User | NULL | Arcade Games | 50 west King Crescent | 322232 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

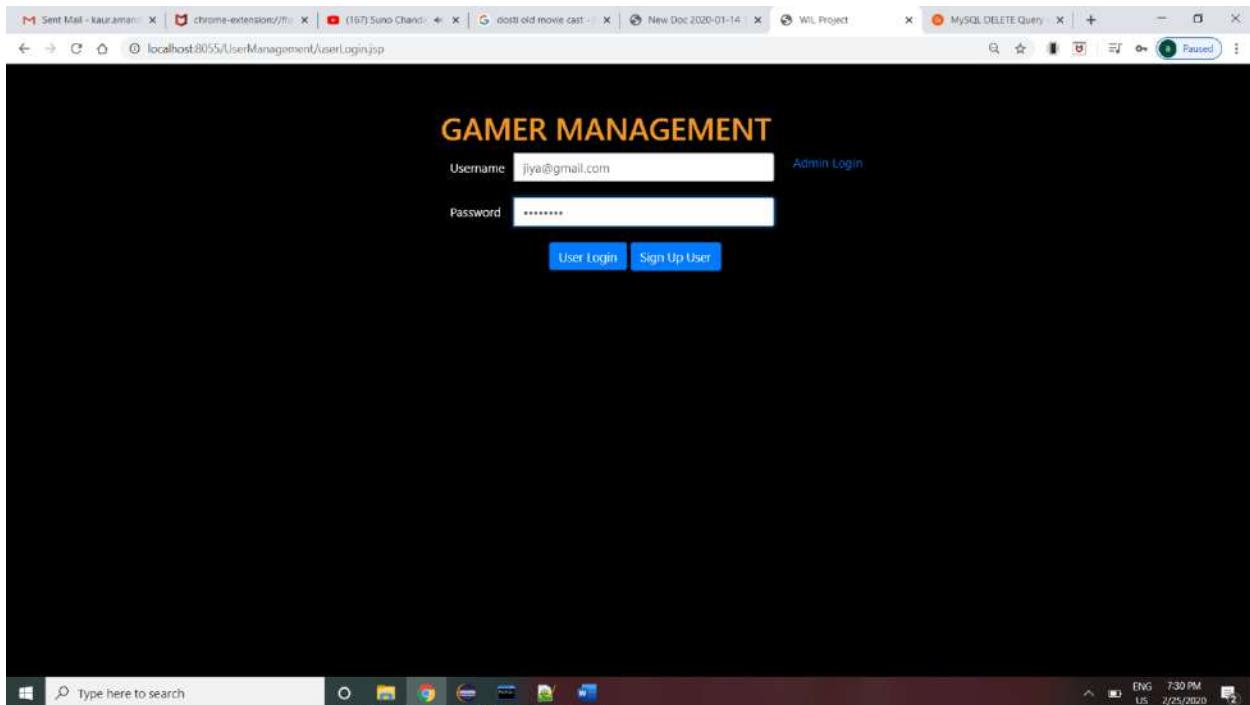
mysql>
```

Week-9

1. Profile Page Function.

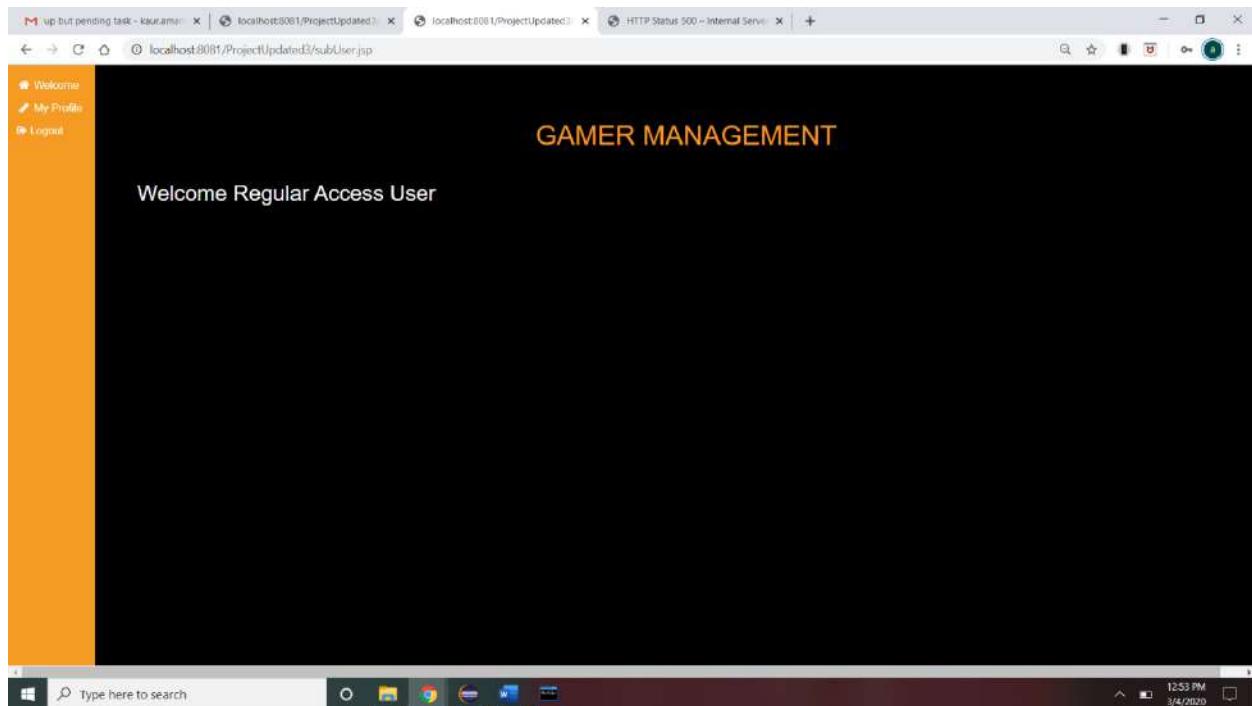
In Image -1. User will login into her account by filling her Login id and Password.

Image – 1.



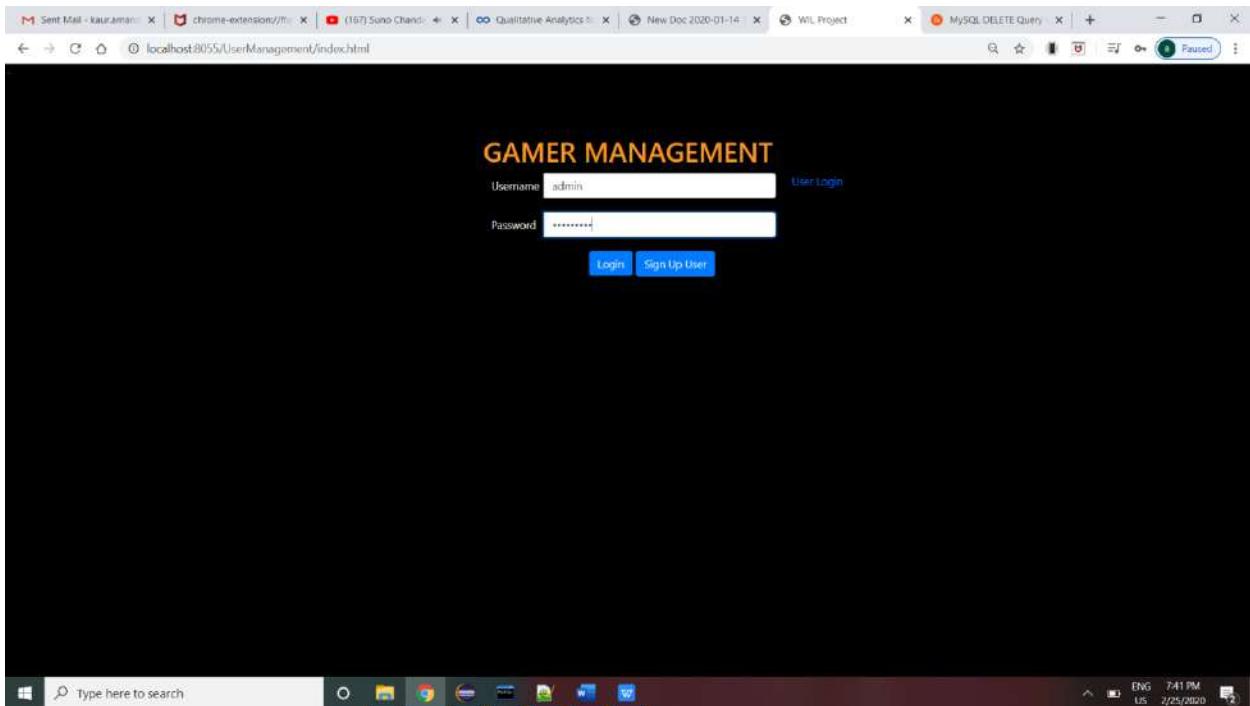
In Image -2. User will see Welcome Message “Welcome Regular Access User” as she is already added into this app by the Admin.

Image – 2.



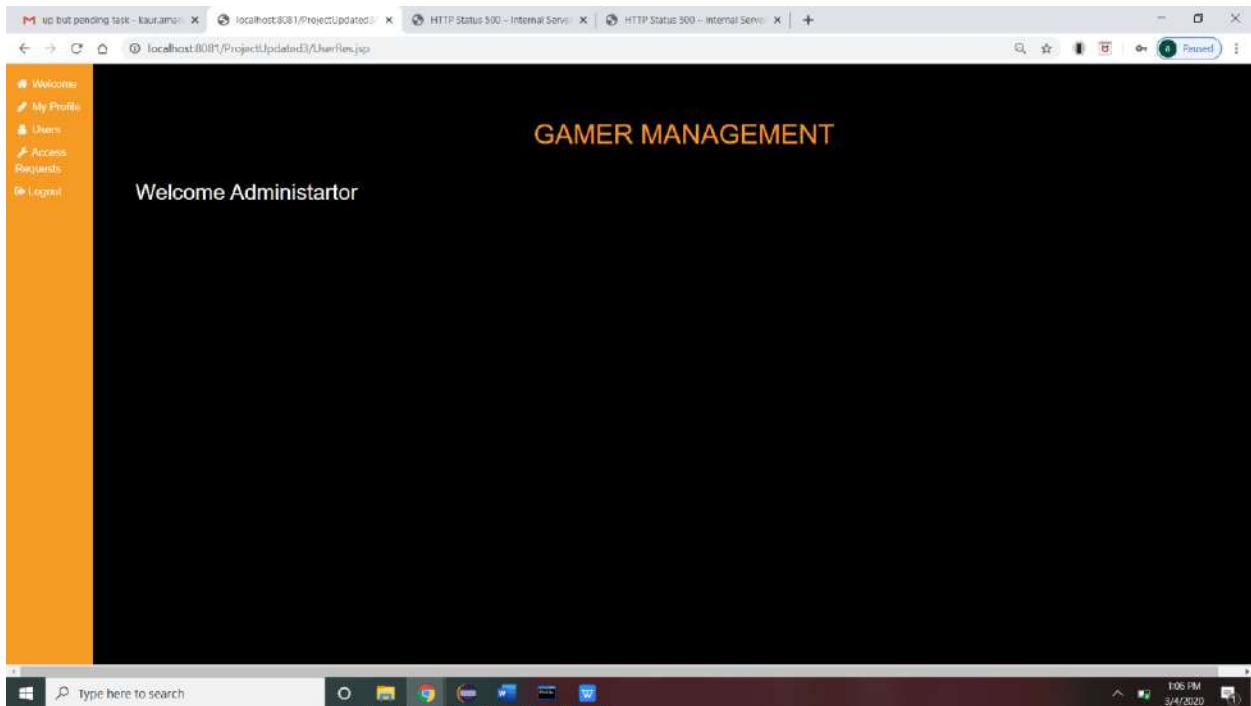
In Image -4. Now Admin will login to his account.

Image – 4



In Image – 4.1. Admin will see welcome message “Welcome Administrator”.

Image – 4.1



In Image – 5 , Admin will click on **Users** tab and click on View button where, Admin will see the profile of all other Users.

Image -5.

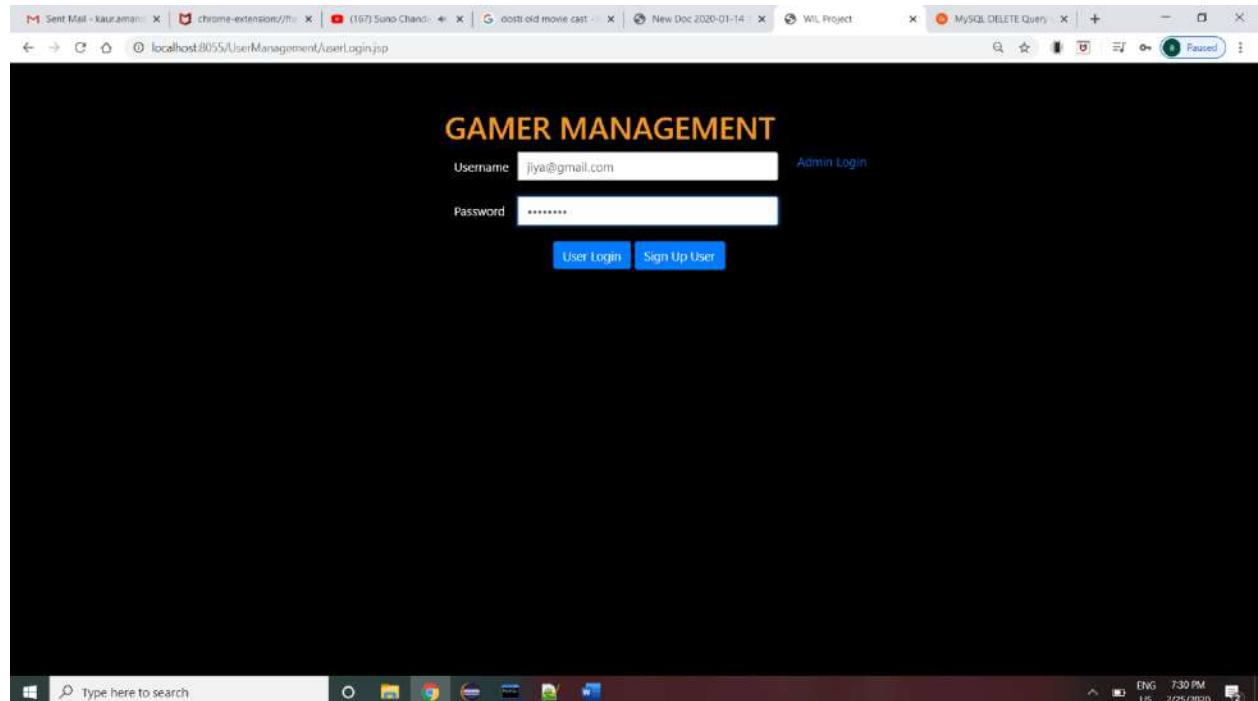
The screenshot shows a Windows desktop environment with a taskbar at the bottom. The taskbar includes icons for File Explorer, Google Chrome, Microsoft Edge, and other system applications. The system tray shows the date as 3/4/2020 and the time as 1:14 PM. The main window is titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The "Users" option is highlighted. The main content area displays a table of user data:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Edit	Delete
7	Jiyah	Nazakat Ali	Regular	Technology	787878799	100 West Maple Crescent	<button>Edit</button>	<button>Delete</button>
8	Sana	Wazid Khan	Regular Access User	Arcade Games	89898989	56 west King Crescent	<button>Edit</button>	<button>Delete</button>

2. Request Access Function

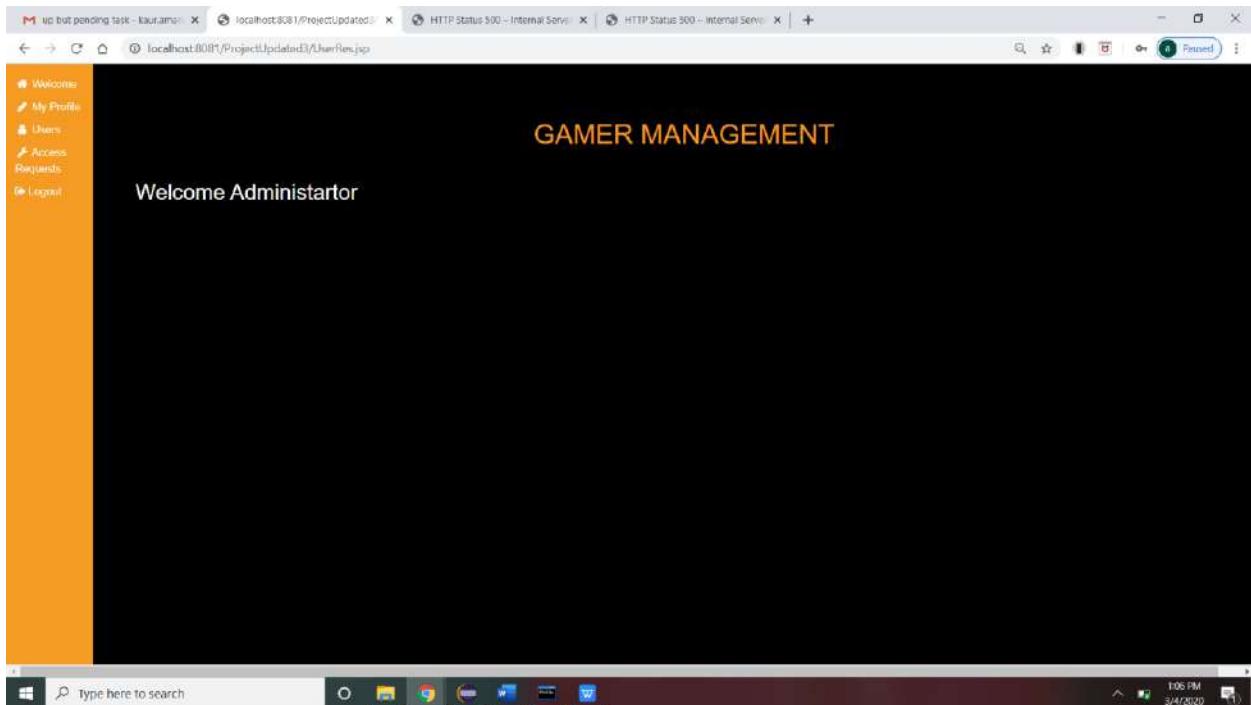
Image – 6. User Will Login to her account by filling credentials.

Image – 6.

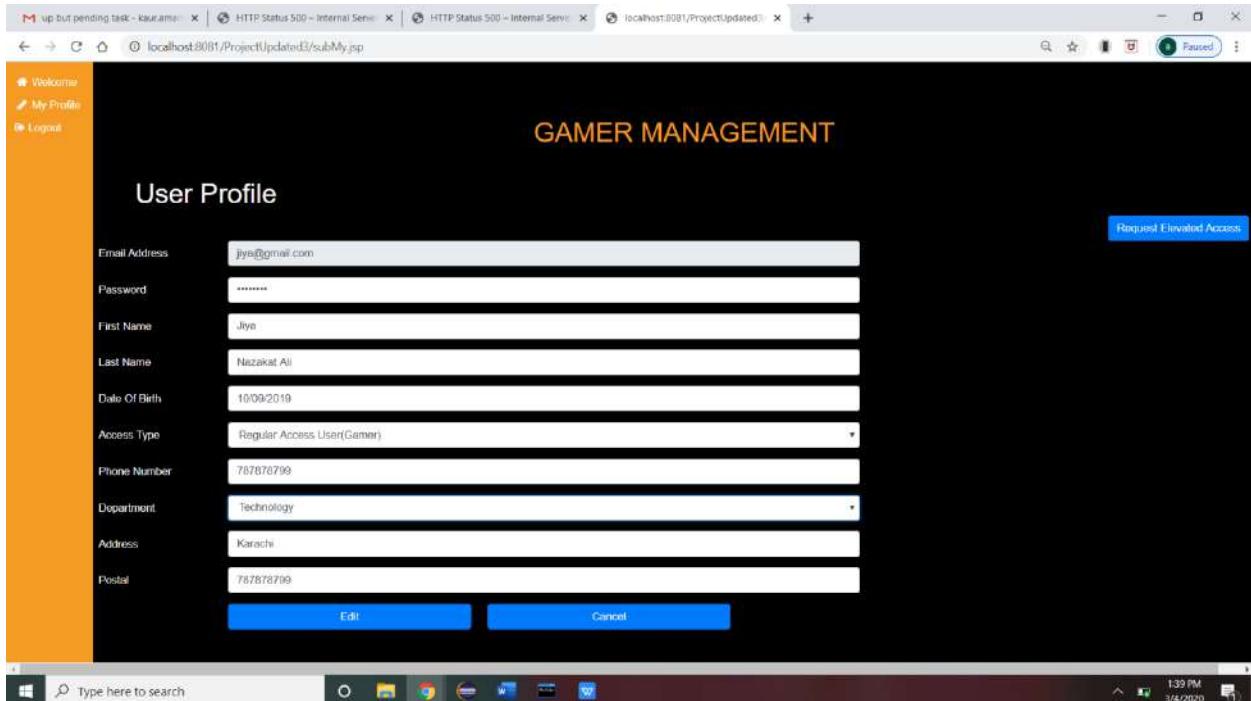


In Image – 7. Admin will see welcome message “Welcome Administrator”.

Image-7

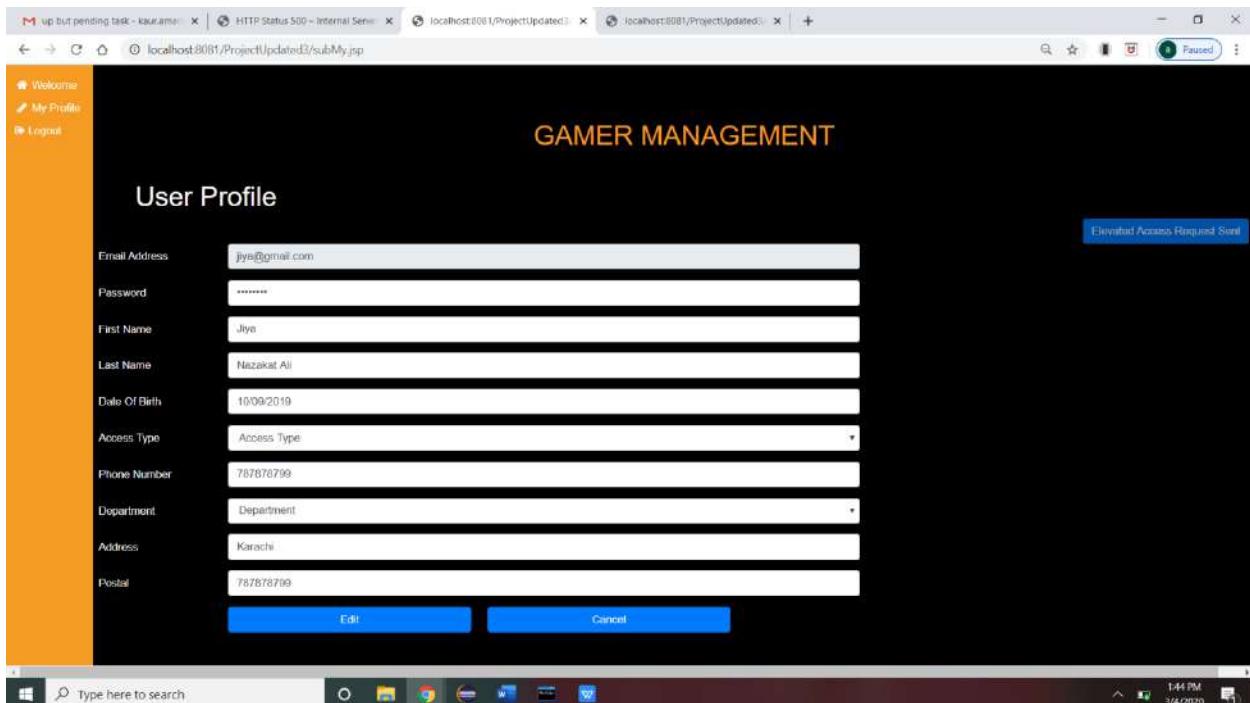


In Image – 8 . User will click on **My Profile** tab where she will see **Request Elevated Access** button on the right side of the screen.



In Image – 9. User will click on **Request Elevated Access** button to raise the request for getting Elevated Access.

Image – 9.



In Image – 10. Admin will Login to his account and click on **Access Request** tab. Here, Admin will see Requests sent by the other User. In this Image, Request sent by ‘Jiya’ is pending so the status is “**Active**”.

Image – 10.

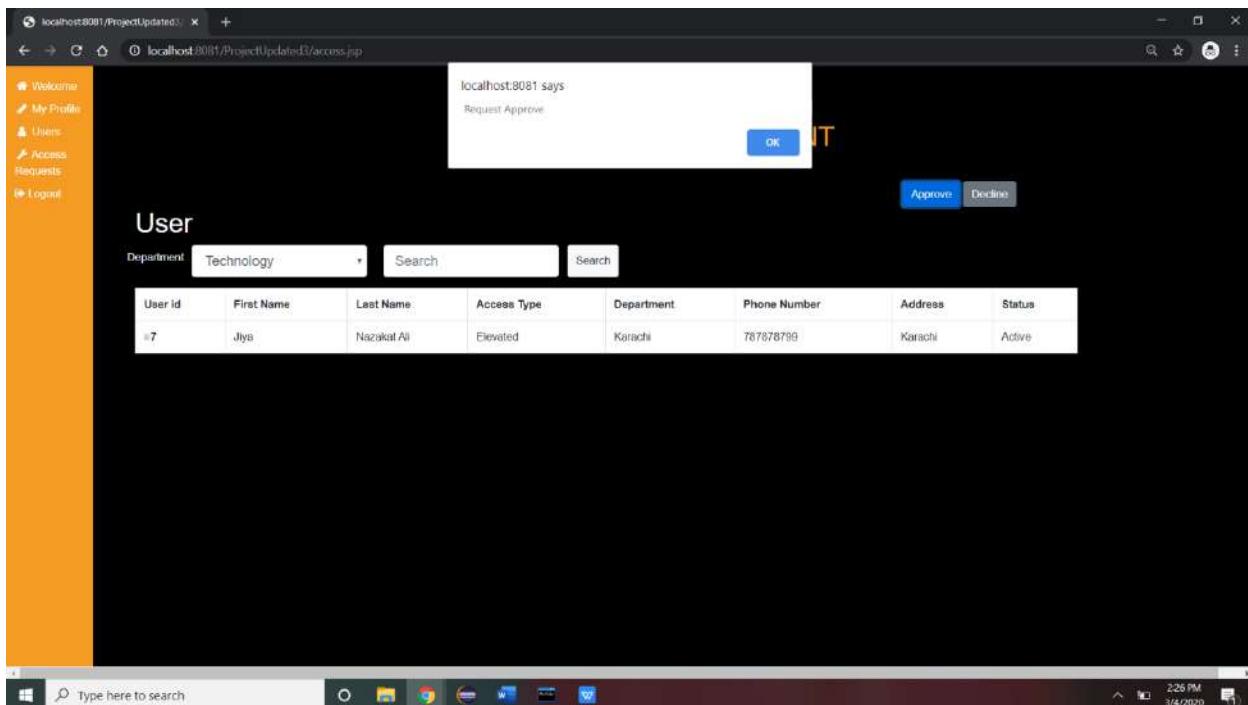
The screenshot shows a web application titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The main content area has a header "User" and a search bar with dropdowns for "Department" (set to "Technology") and "Search". Below the search bar is a table with the following data:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Status
7	Jiya	Nazakat Ali	Elevated	Karachi	787678799	Karachi	Active

At the top right of the main content area, there are "Approve" and "Decline" buttons. The browser's address bar shows the URL "localhost:8081/ProjectUpdated3/access.jsp". The taskbar at the bottom of the screen includes icons for File Explorer, Google Chrome, and other applications, along with a search bar and system status indicators.

In Image – 11. Here admin will Approve the request, then there will be a pop-up message “Request Approved” on the screen to confirm the changes.

Image - 11.



In Image – 12. Here Press OK on pop-up message , then the Status will be updated as “Approved”.

Image – 12.

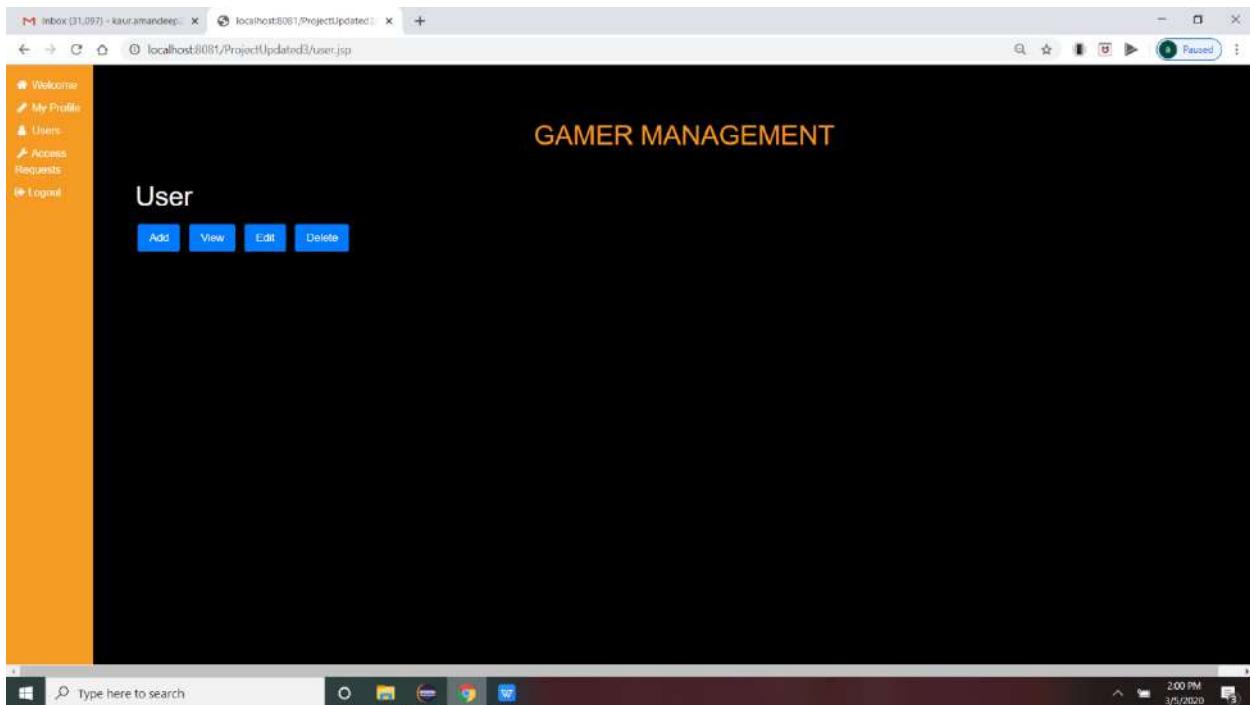
The screenshot shows a web browser window with the URL `localhost:8081/ProjectUpdated3/access.jsp`. The page title is "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The main content area is titled "User" and displays a table with the following data:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Status
07	Jlyq	Nazakat Ali	Elevated	Karachi	787878799	Karachi	Approved

At the top right of the table, there are two buttons: "Approve" (blue) and "Decline" (grey). The bottom right corner of the screen shows the Windows taskbar with the date 3/4/2020 and time 2:28 PM.

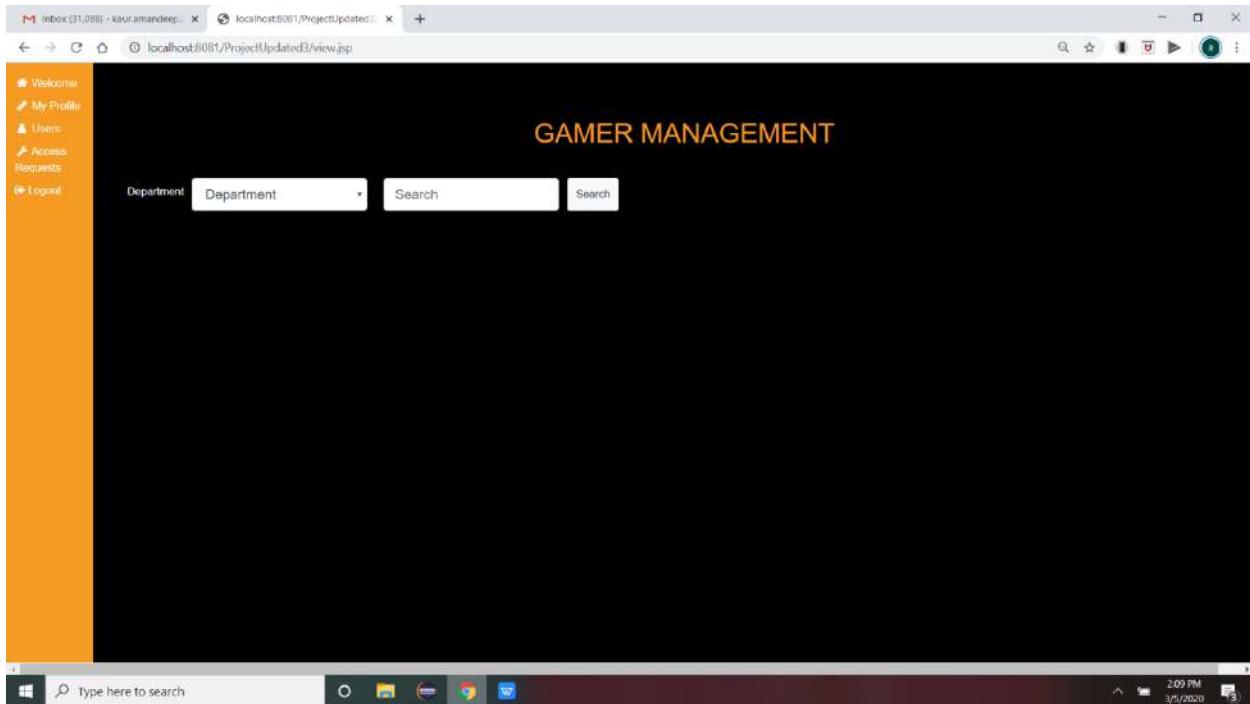
3. Search Function.

In Image - 13, Admin will login to his account and go to **Users** tab and click on **View** button.



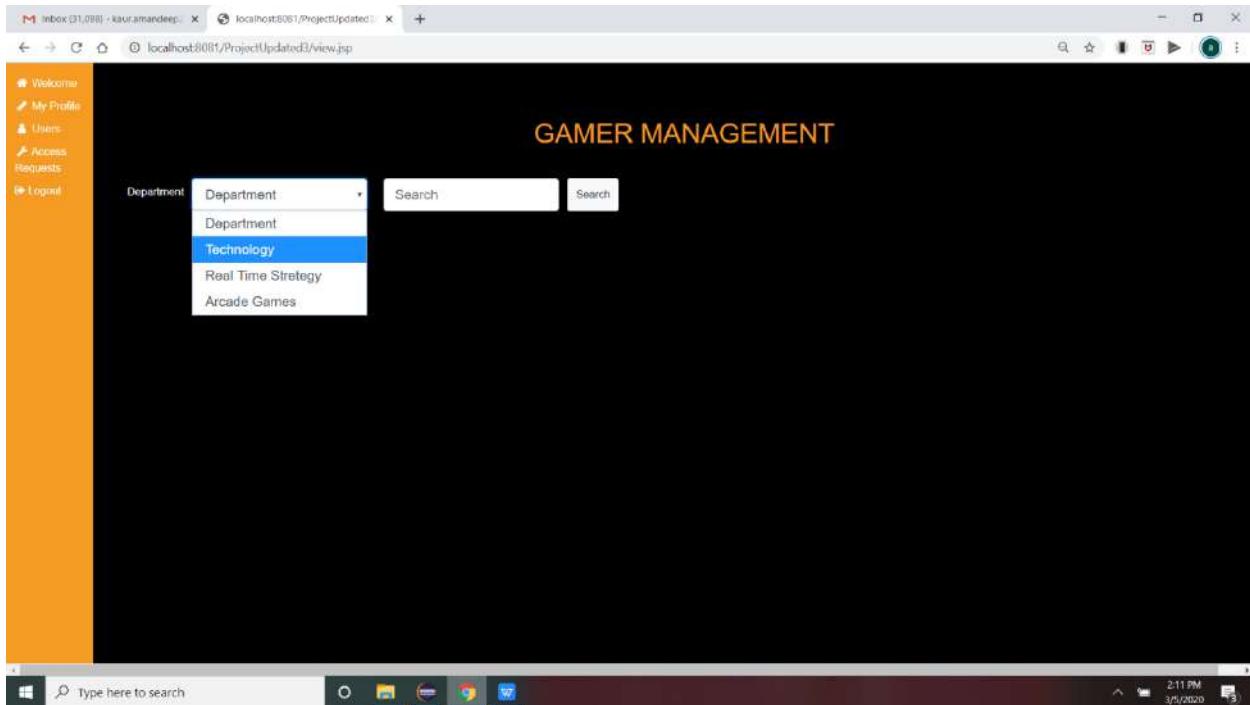
In Image - 14. After he click on **View** button, he will see this window in which there is one drop-down list to choose user according to the *Department* and *Search* box to search for other users.

Image -14.



In Image - 15, Admin will select the Department from drop-down list to search user sorting by the Department and click on **Search** button.

Image - 15.



In Image - 16, After clicking on **Search** button, the result will be like this. Those users, who has the same **Department** as selected in the drop-down list will be displayed.

In this window, Admin selected department as Technology so information of user named 'jiya' is displayed.

Image - 16.

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Edit	Delete
7	Jiya	Nazekat Ali	Elevated	Technology	787878799	100 West Maple Crescent	<button>Edit</button>	<button>Delete</button>

In Image - 17, Admin is using Search box to search for other users.

Admin searched for user named ‘Sana’. the result will be like this.

Image - 17.

The screenshot shows a web browser window titled 'localhost:8081/ProjectUpdated3' with the URL 'localhost:8081/ProjectUpdated3/view.jsp'. The page has a dark theme with orange highlights. On the left, there's a vertical sidebar with icons for 'Welcome', 'My Profile', 'Users', 'Access Requests', and 'Logout'. The main title is 'GAMER MANAGEMENT'. Below it, there's a search bar with 'Department: Arcade Games', a search input field containing 'Sana', and a 'Search' button. A table lists user information with columns: User Id, First Name, Last Name, Access Type, Department, Phone Number, Address, Edit, and Delete. One row is highlighted for 'User Id: 8, First Name: Sana, Last Name: Wazid Khan, Access Type: Regular Access User, Department: Arcade Games, Phone Number: 8989989, Address: 56 west King Crescent'. There are 'Edit' and 'Delete' buttons for this row. The bottom of the screen shows a Windows taskbar with a search bar, the Start button, and several pinned icons.

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Edit	Delete
8	Sana	Wazid Khan	Regular Access User	Arcade Games	8989989	56 west King Crescent	<button>Edit</button>	<button>Delete</button>

In Image - 18, Admin can sort the users in **Request Access** tab also. Here, he select Technology Department from drop-down list and click on **Search** button. The result will be like this.

Image - 18

The screenshot shows a web-based application titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar with navigation links: Welcome, My Profile, Users, Access Requests, and Logout. The main content area has a header "User" and a search bar with two input fields labeled "Search" and "Search". Below the search bar is a table with columns: User Id, First Name, Access Type, Department, Phone Number, Address, and Status. A dropdown menu is open over the "Department" column, showing the option "Technology" highlighted. Other options in the dropdown are "Real Time Strategy" and "Arcade Games". At the top right of the main area, there are "Approve" and "Decline" buttons. The status of the first row in the table is "Approved". The bottom of the screen shows a Windows taskbar with various icons and a system tray indicating the date and time as 3/5/2020 at 2:26 PM.

User Id	First Name	Access Type	Department	Phone Number	Address	Status
-7	Zakai Ali	Elevated	Karachi	787878799	Karachi	Approved

In Image - 19 ,Here , Admin uses Search box to see the details of users request. He Enter 'jiya', in Search box and press Search button. The result will be like this.

Image - 19.

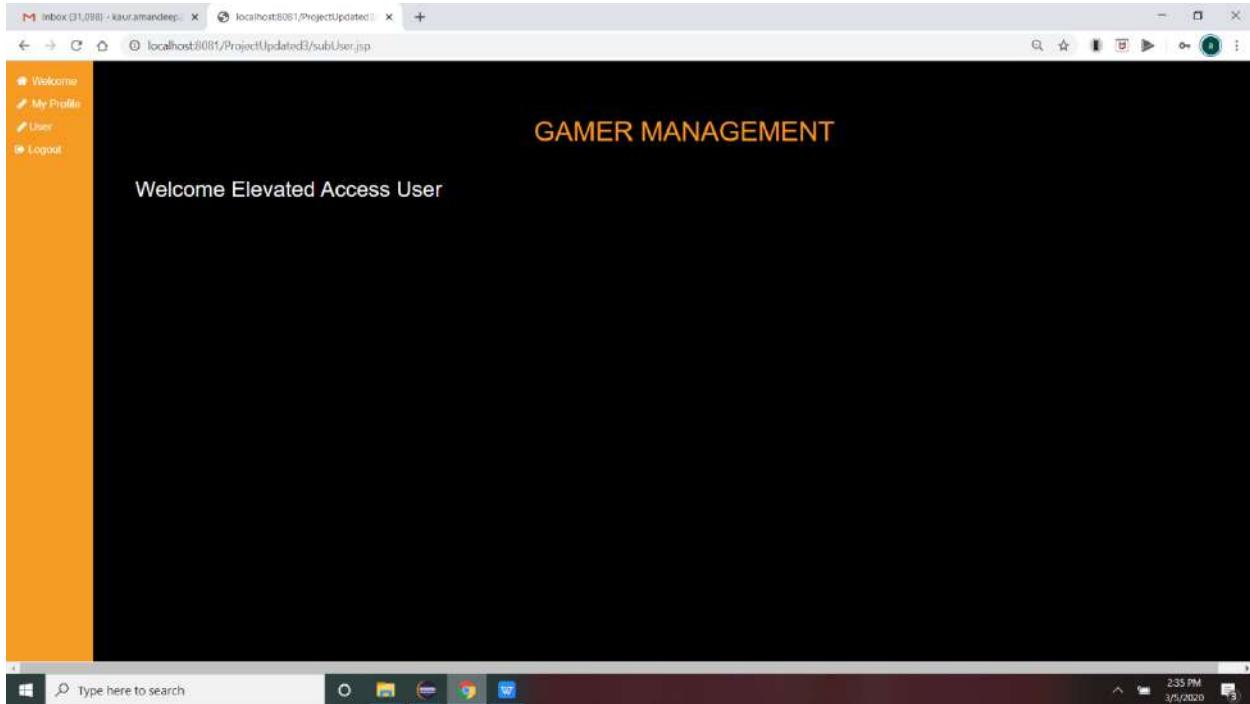
The screenshot shows a web-based application interface. At the top, there is a navigation bar with links: 'Welcome', 'My Profile', 'Users', 'Access Requests', and 'Logout'. The main title 'GAMER MANAGEMENT' is centered at the top of the page. Below the title, there is a search form with a dropdown menu labeled 'Department' containing 'All' and 'IT', a search input field containing 'jiya', and a 'Search' button. To the right of the search buttons are 'Approve' and 'Decline' buttons. The main content area displays a table titled 'User' with the following data:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Status
07	Jiya	Nazakat Ali	Elevated	Karachi	707078799	Karachi	Approved

The application is running on a local host at port 8081, specifically on the URL `localhost:8081/ProjectUpdated3/access.jsp`. The system status bar at the bottom indicates the date as 9/5/2020 and the time as 2:29 PM.

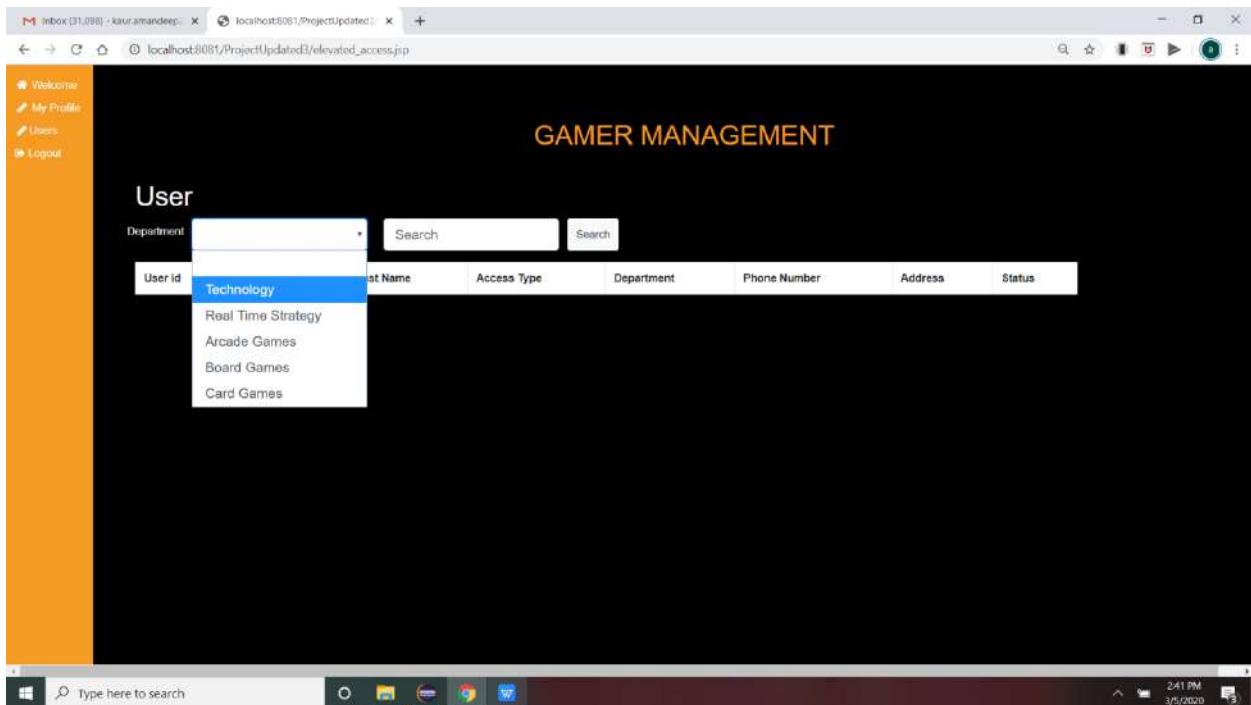
In Image - 20 , user 'jiya' logged in to her account and see welcome message "Welcome Elevated User" as her Elevated Access Request is approved by the Admin so she is Elevated Access User now.

Image - 20.



In Image - 20.1 Moreover, she can search for the users to view their information as she has Elevated Access now. User will go to **User** tab, where she will select the Department as “*Technology*” from drop-down list and click on **Search** button.

Image - 20.1.



In Image - 21, after selecting department as Technology and click on Search button, the result will be displayed below.

Image - 21.

The screenshot shows a web browser window with the URL `localhost:8081/ProjectUpdated3/elevated_access.jsp`. The page title is "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, and Logout. The main content area is titled "User". It features a search bar with dropdowns for "Department" and "Access Type", and two "Search" buttons. Below the search area is a table with the following data:

User id	First Name	Last Name	Access Type	Department	Phone Number	Address
7	Jiya	Nazekat Ali	Elevated	Karachi	787878799	Karachi

In Image - 22, Here, User can view other users by using Search box.

User has typed 'jiya'; and click on Search button. The result will be in Image - 23.

Image - 22.

The screenshot shows a web application window titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar with links: "Welcome", "My Profile", "Logout", and "Users". The main content area has a white header with the title "GAMER MANAGEMENT" in orange. Below the header, there is a search form with a dropdown menu labeled "Department", a text input field containing "jiya", and a "Search" button. Underneath the search form is a table header with columns: "User Id", "First Name", "Last Name", "Access Type", "Department", "Phone Number", and "Address". The rest of the page is blank, indicating no results have been returned yet.

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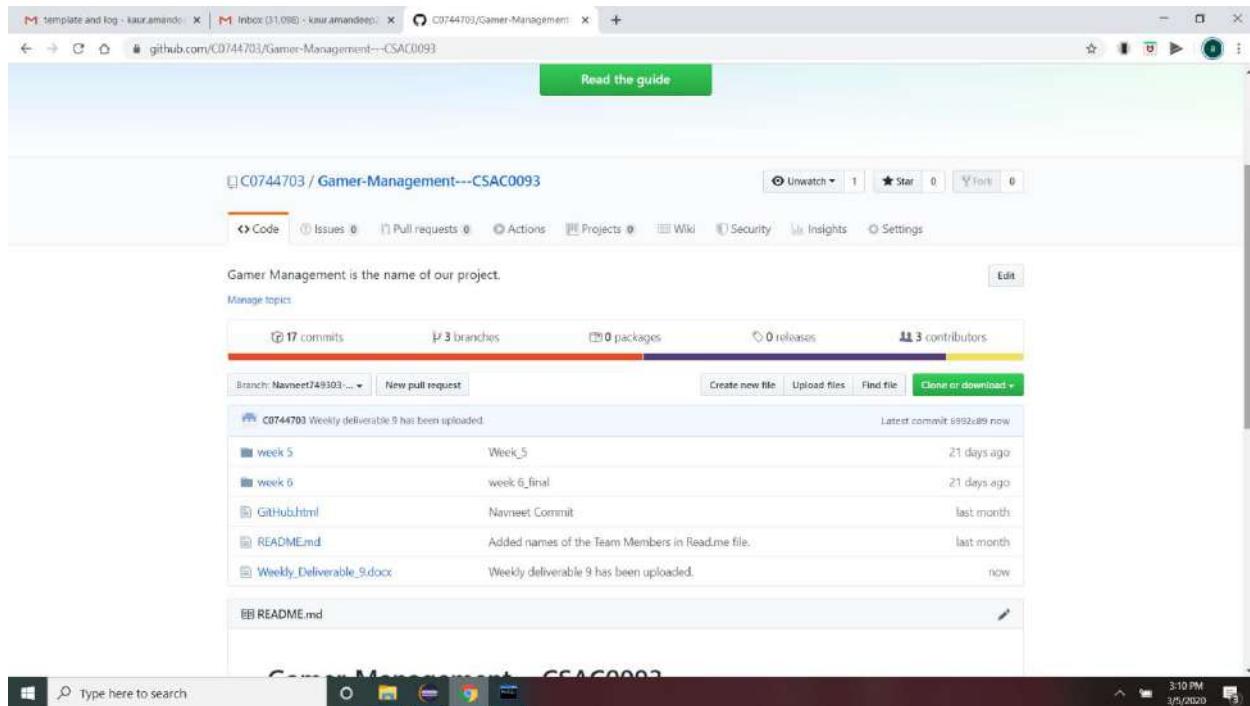
Image -23.

The screenshot shows a web application window titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar with links: "Welcome", "My Profile", "Users", and "Logout". The main content area has a title "User" and a search bar with dropdowns for "Department" and "Search". Below this is a table with the following data:

User id	First Name	Last Name	Access Type	Department	Phone Number	Address
u7	Jiya	Nazekat Ali	Elevated	Karachi	787878799	Karachi

Weekly Task has been uploaded to Git Hub named as

Weekly_Deliverable_9.doc.



Screenshots of tables and fields .

Here, Database name is ‘usermanagement’. Table name is ‘user’, where all data is saved.

```
MySQL 5.5 Command Line Client
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| bankaccount |
| mysql |
| performance_schema |
| usermanagement |
+-----+
5 rows in set (0.00 sec)

mysql> use usermanagement;
Database changed
mysql> show tables;
+-----+
| Tables_in_usermanagement |
+-----+
| user |
+-----+
1 row in set (0.00 sec)

mysql> select * from user;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | username | userLastName | userPassword | userConfPassword | userDob | userCaptcha | userCity | userPin | userAccessType | userAccessTypeActive | userDepartment | userAddress |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 7 | jlyya@gmail.com | Jlyya | Nazaket Ali | $lyya@123 | $lyya@123 | 2019-10-09 | null | Karachi | 787787709 | Elevated | Approved | Technology | 100 West Main Street, Suite 100 |
| 8 | sana@gmail.com | Sana | Nazid Khan | sana@123 | sana@123 | 2020-02-08 | null | null | 89898989 | Regular Access User | null | Arcade Games | 56 west Kim |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

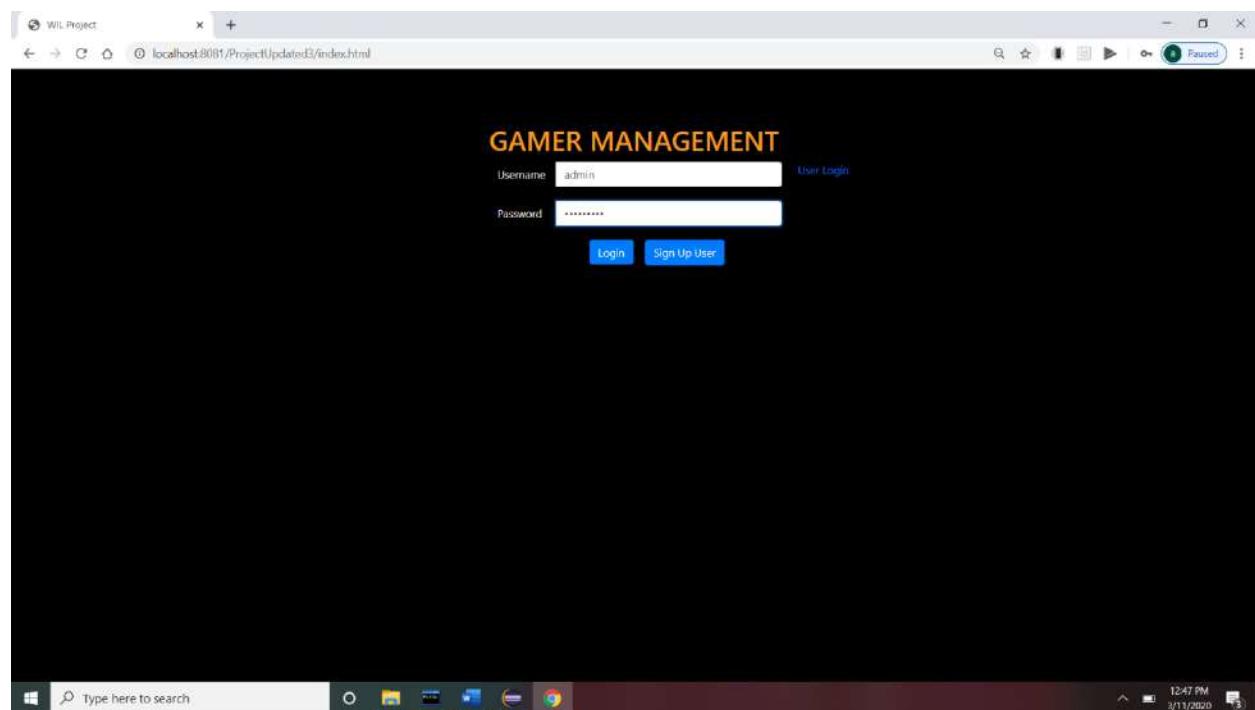
mysql>
```

Week-10

1. Delete User Function:

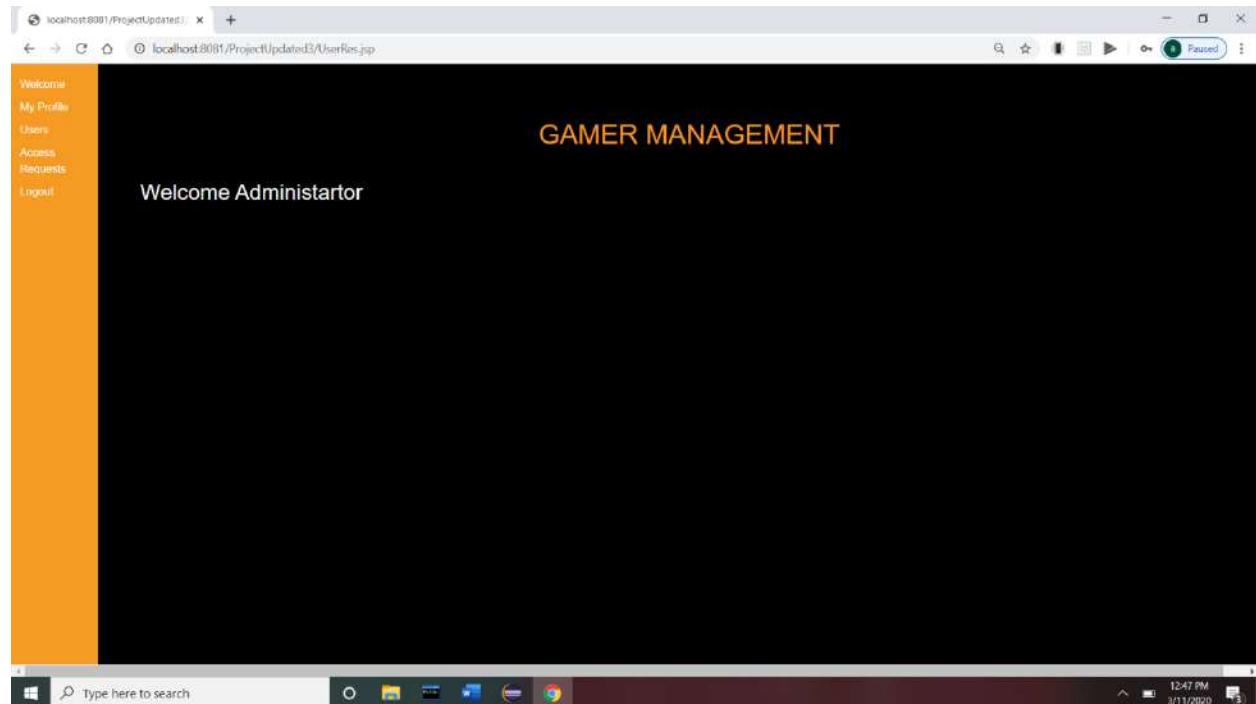
In order to perform a delete function, Admin will login to his account first by filling his credentials and click on **Login** button as we shown in Image – 1.

Image – 1.



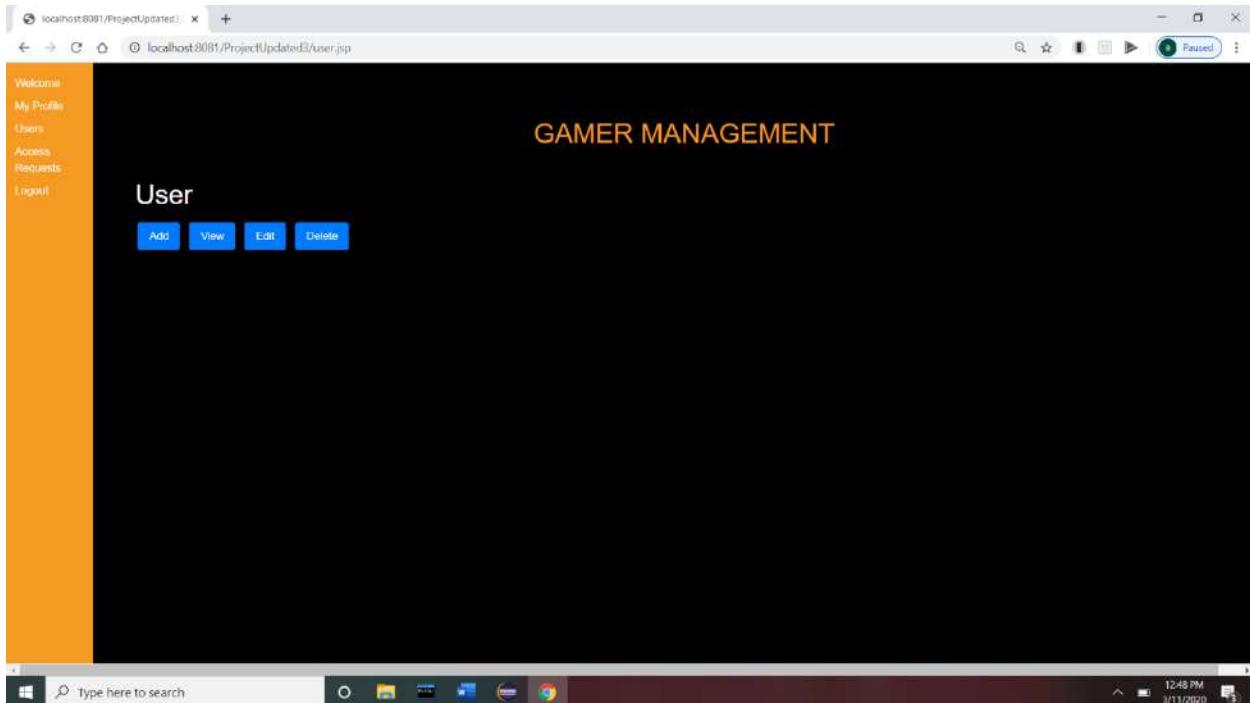
In Image – 2, Admin will see the Welcome page on My Profile tab.

Image - 2.



In Image – 3, Admin will go to **Users** tab and click on **View** button to view the user's id of which he wants to delete.

Image - 3.



In Image – 4, After clicking on View Button, Admin is viewing all the users at a time. Admin can pick any user and click on **Delete** button to delete directly.

Image - 4.

The screenshot shows a Windows desktop environment with a web browser window open to a page titled "GAMER MANAGEMENT". The browser has multiple tabs visible at the top. On the left, there is a vertical orange sidebar menu with links: Welcome, My Profile, Users, Access Requests, and Logout. The main content area displays a table of user data with columns: User Id, First Name, Last Name, Access Type, Department, Phone Number, Address, Edit, and Delete. There are four rows of data:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Edit	Delete
8	Sona	Wand Khan	Regular Access User	Arcade Games	89890909	56 west King Crescent	<button>Edit</button>	<button>Delete</button>
10	Arbaz	Khan	Regular Access(Gamer)	Board Games	4343445555	33 east revenue	<button>Edit</button>	<button>Delete</button>
11	Harry	Martin	Regular Access(Gamer)	Technology	787809000	78 Maple Street	<button>Edit</button>	<button>Delete</button>
12	Jasmine	Sandles	Regular Access(Gamer)	Card Games	52334344	89 Indiana Crescent	<button>Edit</button>	<button>Delete</button>

In Image - 5. Before Performing delete function, user can also view users by sorting according to the Department or using Search box. Here Admin sorting users by choosing Department from the drop-down list and click on **Search** button.

Image - 5.

The screenshot shows a web-based application titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar with navigation links: Welcome, My Profile, Users, Access Requests, and Logout. The main content area has a header "GAMER MANAGEMENT". Below the header, there is a search bar with a "Search" button. To the left of the search bar, a dropdown menu is open under the heading "Department", showing options: Department, Department, Technology (which is selected), Real Time Strategy, Arcade Games, Board Games, and Card Games. The main table displays user data with columns: User Id, Access Type, Department, Phone Number, Address, Edit, and Delete. The data rows are as follows:

User Id	Access Type	Department	Phone Number	Address	Edit	Delete
8	Regular Access User	Arcade Games	89898989	56 west King Crescent	<button>Edit</button>	<button>Delete</button>
10	Regular Access(Gamer)	Board Games	4343445566	33 east revenue	<button>Edit</button>	<button>Delete</button>
11	Regular Access(Gamer)	Technology	7878909090	78 Maple Street	<button>Edit</button>	<button>Delete</button>
12	Jasmine Sandes	Card Games	92334344	89 Indiana Crescent	<button>Edit</button>	<button>Delete</button>

In Image - 6, After Clicking on Search button, Result will be displayed after sorting the department.

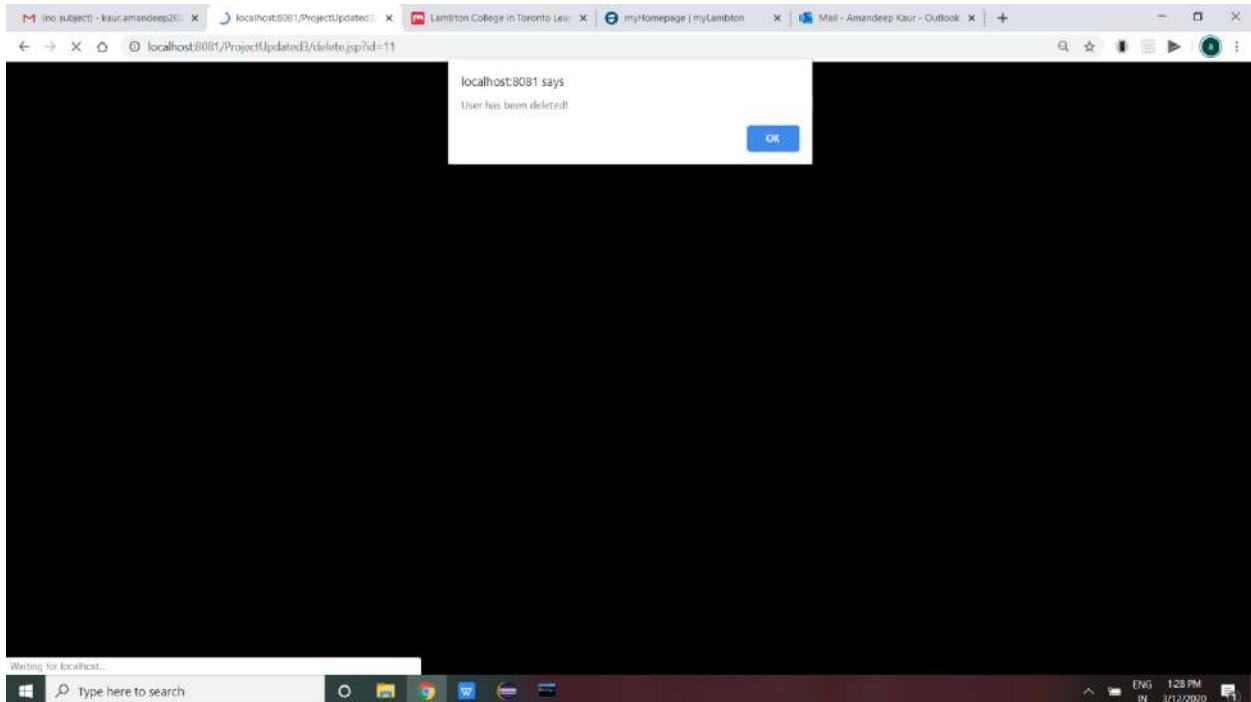
Image - 6.

The screenshot shows a web application window titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The main content area has a black header bar with tabs: Department, Department (selected), Search, and Search. Below this is a table with the following data:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Edit	Delete
11	Harry	Martin	Regular Access(Gamer)	Technology	78789090	78 Maple Street	<button>Edit</button>	<button>Delete</button>

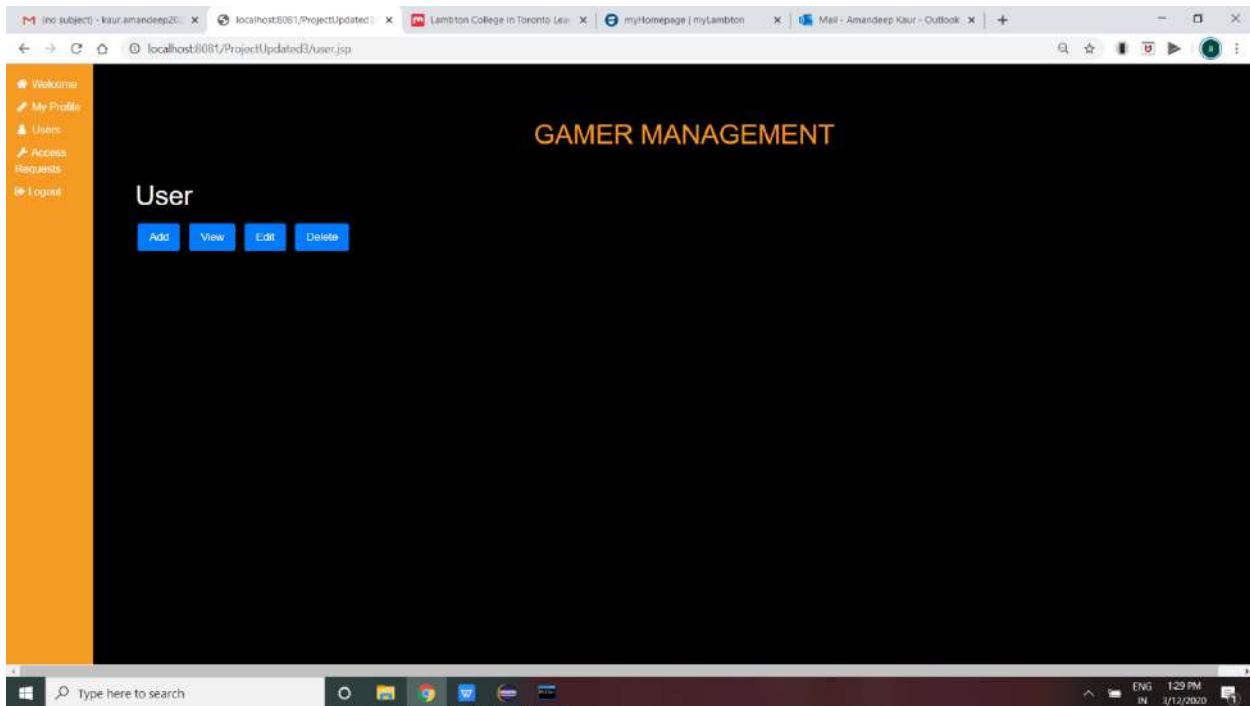
In Image - 7. Assume that Admin selected user named “Harry Martin” whose user id is “11”. Admin will press on Delete button corresponding to that particular user. Result will be seen in next screen. A pop-up message will be displayed to confirm the deletion.

Image – 7.



In Image - 8, After pressing OK on pop-up message, Admin will be navigated to **Users** tab.

Image - 8.



In Image - 9, Admin will click on **View** button and check user has been deleted from the database.

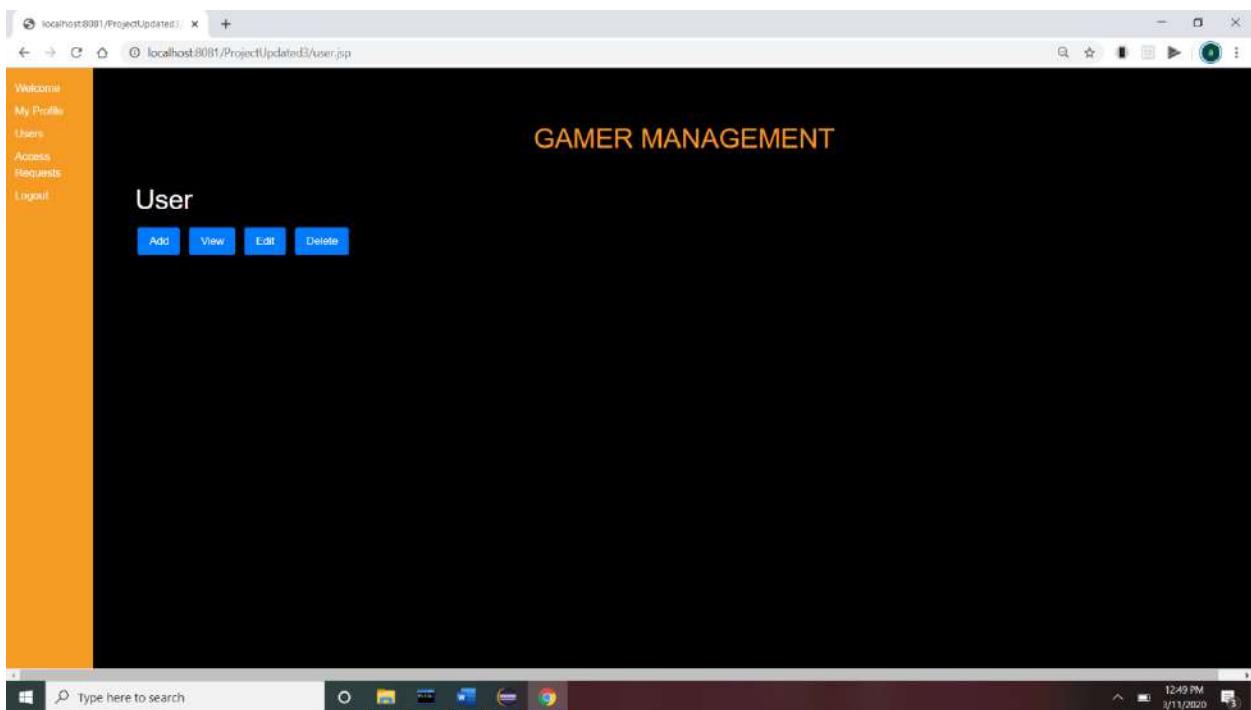
Image - 9.

GAMER MANAGEMENT

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Edit	Delete
8	Sana	Wazid Khan	Regular Access User	Arcade Games	89999999	56 west King Crescent	Edit	Delete
10	Arbaz	Khan	Regular Access(Gamer)	Board Games	4343445556	33 east revenue	Edit	Delete
12	Jasmino	Sandlos	Regular Access(Gamer)	Card Games	32334344	89 Indiana Crescent	Edit	Delete

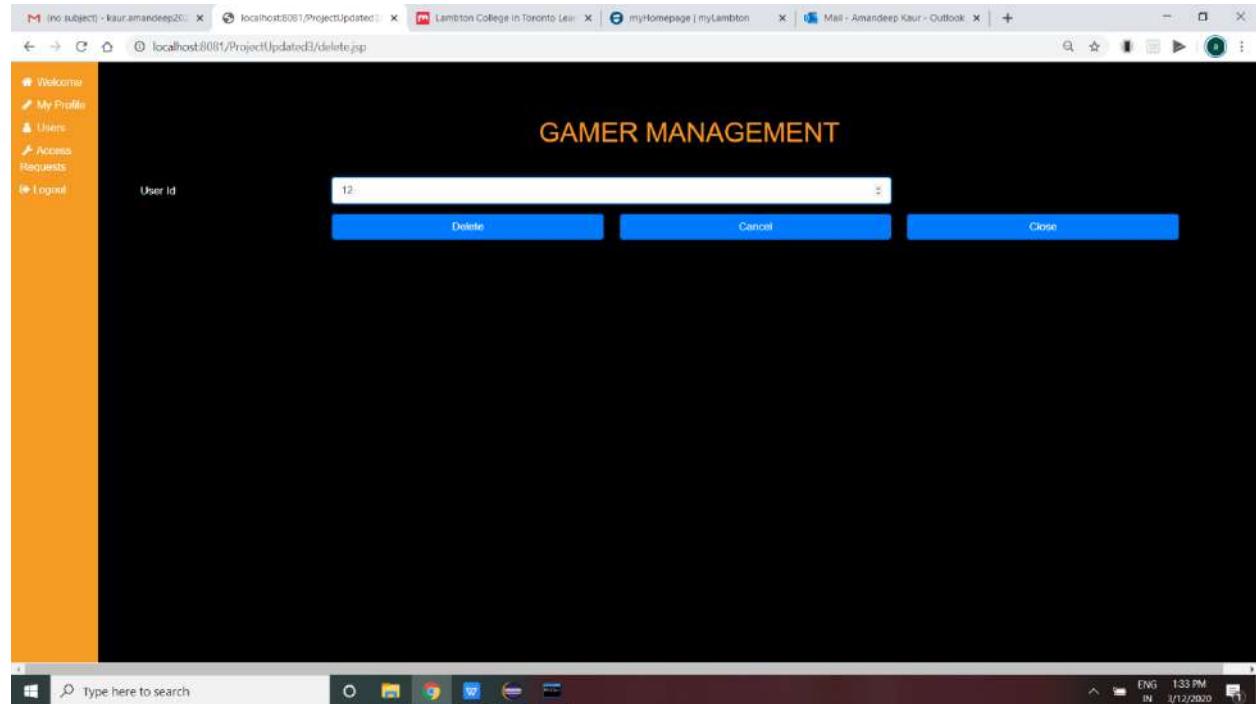
In Image – 10, There is one more way to delete a user from the database Admin will go back to Users tab and click on **Delete** button to perform delete function.

Image – 10.



In Image – 11, After clicking on Delete button, Admin will see this window where he will fill the User id of the User, which he wants to delete. Here, User will fill User Id as ‘12’ whose first name is ‘Jasmine’, and click on **Delete** button. In Image – 11. pop-up message will be shown, press OK.

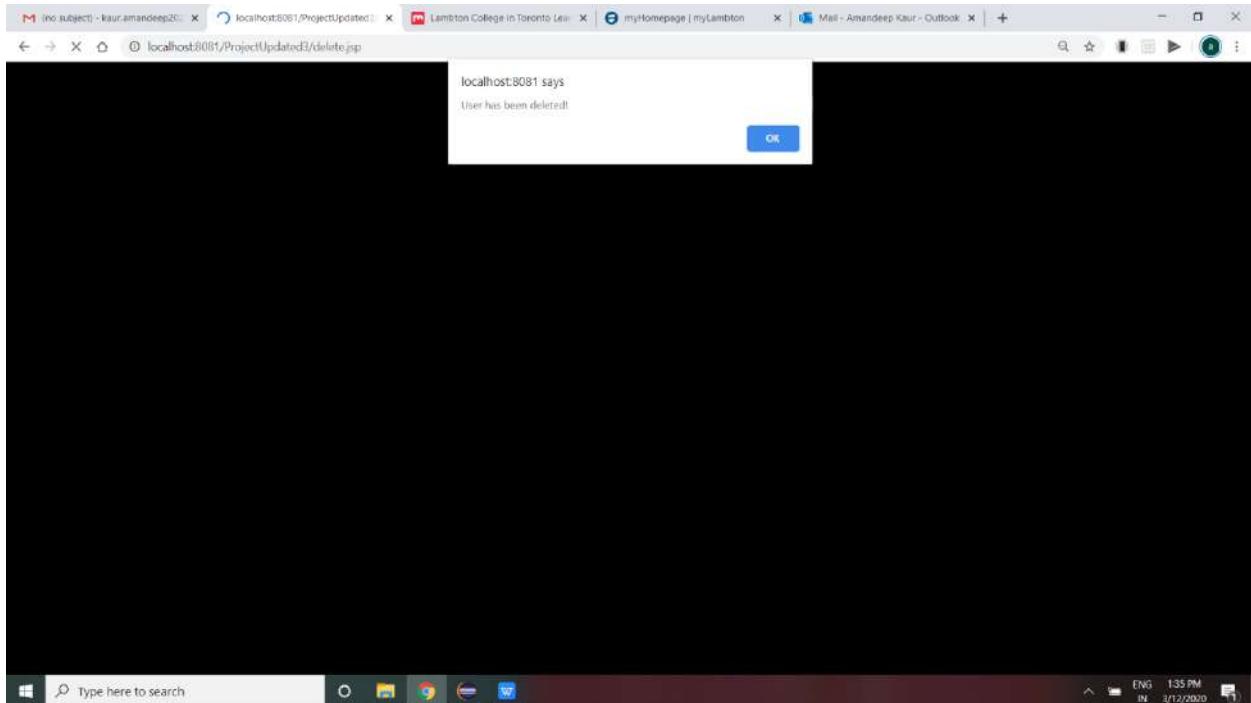
Image - 11.



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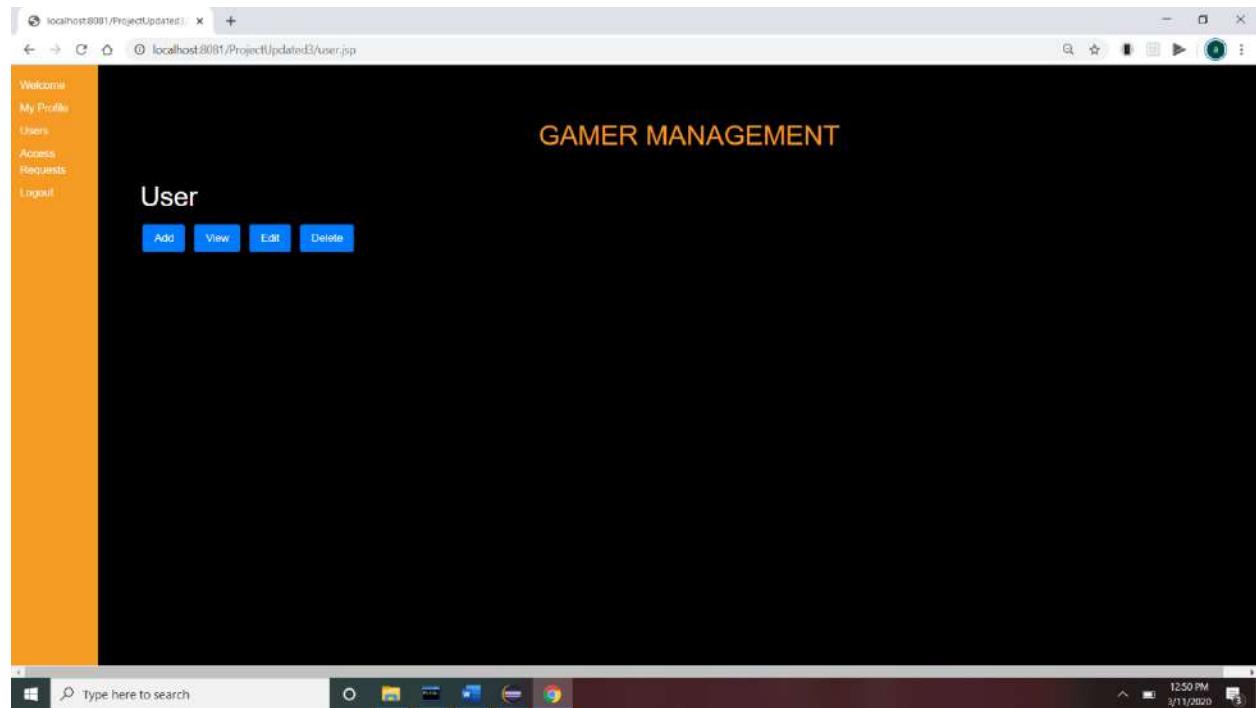
CPL-5559-CSAT-CSAC-0093-V2

Image - 12 below.



In Image - 13, After pressing on OK Admin will be navigated to the Users tab and he can click on **View** button to see user deleted from the database.

Image - 13.



In Image - 13.1, Admin can view the users list in the database.(where user Jasmine has been deleted)

Image - 13.1.

The screenshot shows a web-based application interface titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The main content area has a dark background with the title "GAMER MANAGEMENT" in yellow. At the top, there is a search bar with dropdown menus for "Department" and "Access Type", and two search buttons: "Search" and "Search". Below this is a table displaying user information:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Edit	Delete
8	Sana	Wazid Khan	Regular Access User	Arcade Games	89098989	56 west King Crescent	<button>Edit</button>	<button>Delete</button>
10	Arbaz	Khan	Regular Access(Gamer)	Board Games	4343445556	33 east revenue	<button>Edit</button>	<button>Delete</button>

The table contains two rows of data. The first row corresponds to the user "Jasmine" mentioned in the caption, which has been deleted from the database. The second row corresponds to the user "Arbaz". The application is running on a Windows operating system, as indicated by the taskbar at the bottom.

2. Access Request Function. (We also covered this part in previous in week-9).

In Image – 14. Admin will Login to his account and click on **Access Request** tab. Here, Admin will see Requests sent by the other User. In this Image, Request sent by ‘Jiya’ is pending so the status is “**Active**”.

Image – 14.

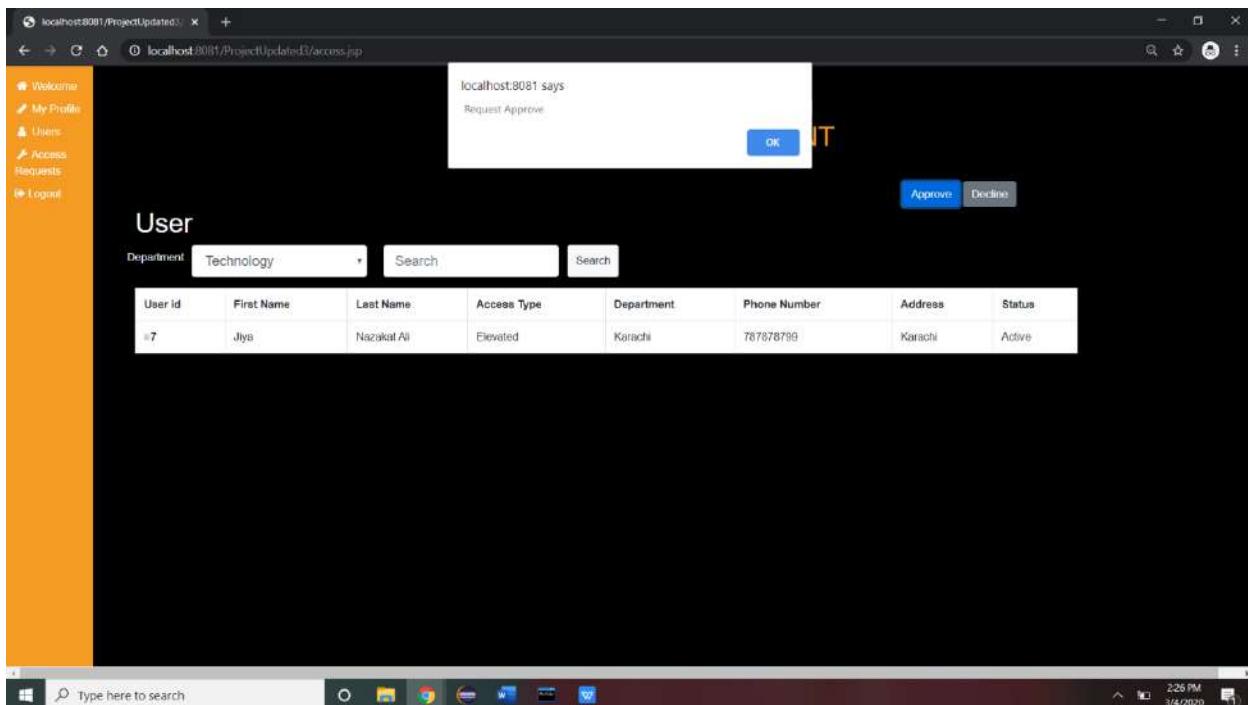
The screenshot shows a web application titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The main content area is titled "User". It features a search bar with dropdown filters for Department (set to Technology) and a search input field. Below the search bar is a table with the following data:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Status
07	Jiya	Nazekat Ali	Elevated	Karachi	787878799	Karachi	Active

At the top right of the main content area, there are two buttons: "Approve" and "Decline". The browser's address bar shows the URL as "localhost:8081/ProjectUpdated3/access.jsp". The system tray at the bottom right indicates the date as 3/4/2020 and the time as 2:18 PM.

In Image – 15. Here admin will Approve the request, then there will be a pop-up message “Request Approved” on the screen to confirm the changes.

Image - 15.



In Image – 16. Here Press OK on pop-up message , then the Status will be updated as “Approved”.

Image – 16.

The screenshot shows a web browser window with the URL `localhost:8081/ProjectUpdated3/access.jsp`. The page title is "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar menu with options: Welcome, My Profile, Users, Access Requests, and Logout. The main content area is titled "User" and displays a table with the following data:

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Status
07	Jlyq	Nazakat Ali	Elevated	Karachi	787878799	Karachi	Approved

At the top right of the table, there are two buttons: "Approve" (highlighted in blue) and "Decline". The bottom right corner of the screen shows the Windows taskbar with the date 3/4/2020 and time 2:28 PM.

In Image - 17, Admin can sort the users in **Request Access** tab also. Here, he select Technology Department from drop-down list and click on **Search** button. The result will be like this.

Image - 17.

The screenshot shows a web-based application titled "GAMER MANAGEMENT". On the left, there is a vertical orange sidebar with navigation links: Welcome, My Profile, Users, Access Requests, and Logout. The main content area has a title "User" and a table with columns: User Id, Department, First Name, Access Type, Department, Phone Number, Address, and Status. A dropdown menu is open over the "Department" column, showing "Technology" as the selected option. Below the table are two buttons: "Approve" and "Decline". At the bottom of the screen, there is a Windows taskbar with icons for Start, Search, Task View, File Explorer, Edge, Google Chrome, and File Explorer. The search bar contains the text "Type here to search". The system tray shows the date as 3/5/2020 and the time as 2:26 PM.

User Id	Department	First Name	Access Type	Department	Phone Number	Address	Status
-7	Technology	Zakai Ali	Elevated	Karachi	787878799	Karachi	Approved
	Real Time Strategy						
	Arcade Games						

In Image - 18, Here , Admin uses Search box to see the details of users request. He Enter 'jiya', in Search box and press Search button. The result will be like this.

Image - 18.

The screenshot shows a web browser window titled "localhost:8081/ProjectUpdated3/access.jsp". The main content area is titled "GAMER MANAGEMENT" and displays a table of user information. A sidebar on the left contains links for "Welcome", "My Profile", "Users", "Access Requests", and "Logout". The search interface includes a dropdown menu for "Department" set to "All", a search input field containing "jiya", and a "Search" button. The table has columns: User Id, First Name, Last Name, Access Type, Department, Phone Number, Address, and Status. One row is visible, showing User Id 7, First Name Jiya, Last Name Nazakat Ali, Access Type Elevated, Department Karachi, Phone Number 707678799, Address Karachi, and Status Approved. At the top right of the main area are "Approve" and "Decline" buttons. The bottom of the screen shows a Windows taskbar with icons for File Explorer, Google Chrome, and Word, along with a search bar and system status indicators.

User Id	First Name	Last Name	Access Type	Department	Phone Number	Address	Status
7	Jiya	Nazakat Ali	Elevated	Karachi	707678799	Karachi	Approved

Image - 19. Below

Here, Database name is 'usermanagement'. Table name is 'user', where all data is saved in Image - 19.

```
MySQL5.5 Command Line Client
mysql> show databases;
+-----+
| Database |
+-----+
| information_schema |
| bankaccount |
| mysql |
| performance_schema |
| usermanagement |
+-----+
5 rows in set (0.00 sec)

mysql> use usermanagement;
Database changed
mysql> show tables;
+-----+
| Tables_in_usermanagement |
+-----+
| user |
+-----+
1 row in set (0.00 sec)

mysql> select * from user;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail | userName | userLastName | userPassword | userConfPassword | userDob | userCaptcha | userPhn | userCity | userPin | userAccessType | userAccessTypeActive | userDepartment | userAddress |
| userPostal |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| 7 | jlye@mail.com | Jlye | Nazakat Ali | jlye@123 | jlye@123 | 2019-10-09 | NnPvoz | Karachi | 787878799 | Elevated | Approved | Technology | 300 West Main Street |
| 212212 |
| 8 | sana@mail.com | Sana | Nazid Khan | sano@123 | sano@123 | 2020-02-08 | NULL | NULL | 89898989 | Regular Access User | NULL | Arcade Games | 56 west King Street |
| 322232 |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
2 rows in set (0.00 sec)

mysql>
```

Here, Project file of weekly Devlierable 10 has been uploaded on Git-Hub.

The screenshot shows a GitHub repository page for 'C0744703 / Gamer-Management--CSAC0093'. The repository summary indicates 18 commits, 3 branches, 0 packages, 0 releases, and 3 contributors. The commit history lists the following entries:

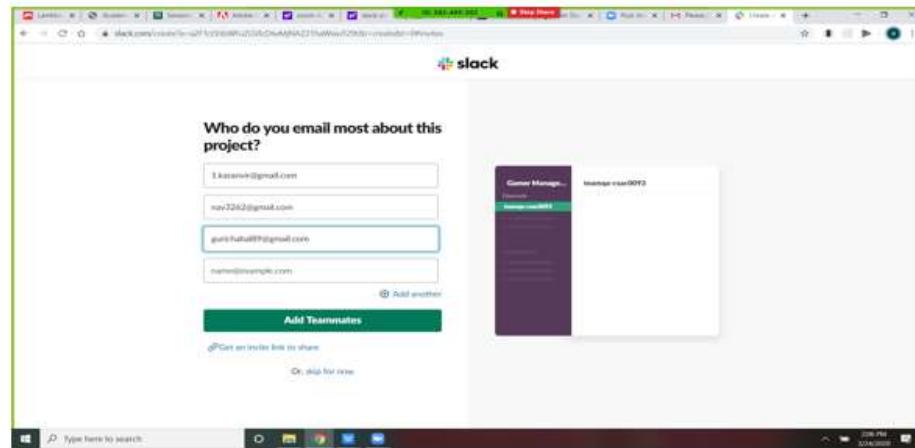
- week 5: Week 5 (28 days ago)
- week 6: week 6_final (28 days ago)
- GitLab.html: Navneet.Commit (last month)
- README.md: Added names of the Team Members in Readme file. (last month)
- Weekly_Deliverable_9.docx: Weedly deliverable 9 has been uploaded. (7 days ago)
- Weekly_Finaldeliverable_10.pdf: Weedly deliverable 10 has been uploaded. (now)

The README.md file content is displayed in a code editor:

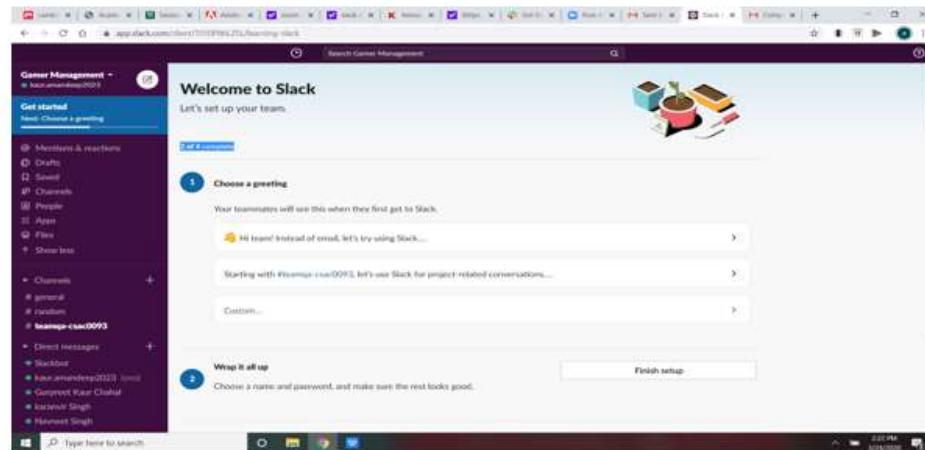
```
Gamer-Management--CSAC0093
```

Week-11

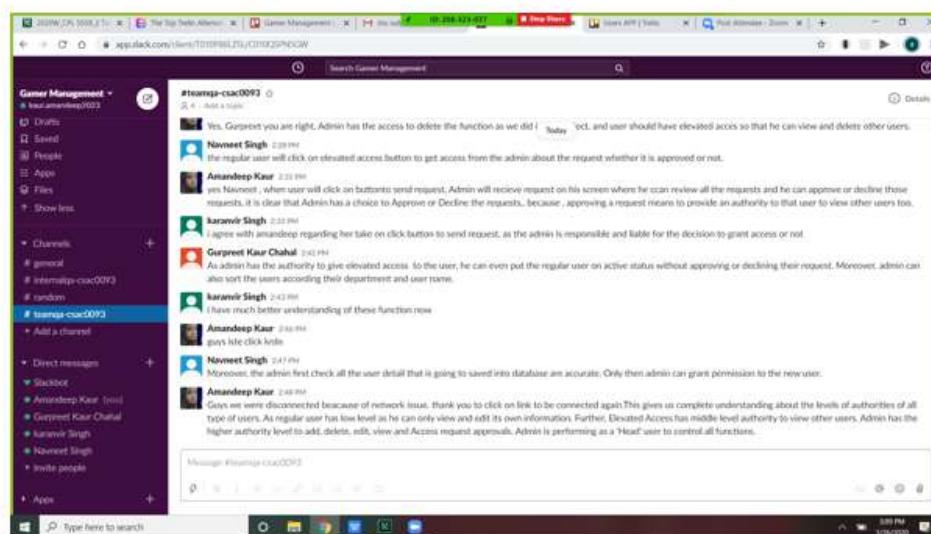
Here all team members are being added to Slack by entering their email id. As they will receive an email in thier accounts after a I click 'Add Teammates'.



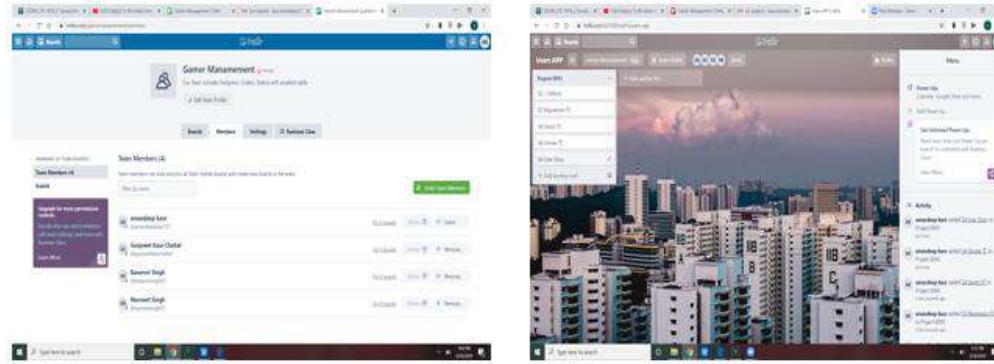
Here all team Members are added as we can see at the left purple pannel, all team members are showing online with green dots.



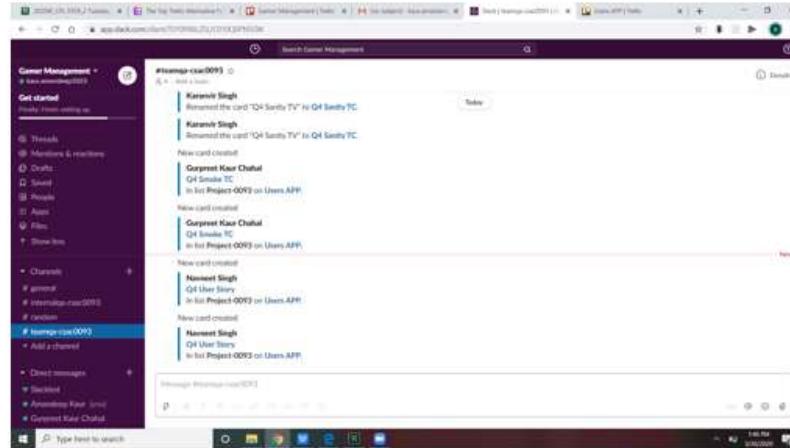
Here, we are all communicating with each other and dicussing the functions included in the project and discussed about th level of authorities.



Here , I created account on Trello and added all teammates and created Board with task list.



Here, we show the integration where teammates added the tasks and notifications can be seen in Slack. Basically, We Turned on the Alert from Trello and then we can see notification message in Slack under channel '#teamqa-csac0093'.



Week-12

BOOTSTRAP

Introduction:

Bootstrap: Bootstrap is a web development framework which is used for creating highly responsive websites that can easily fit on all the devices including mobile phones, desktop, laptop and tabs. Moreover, it relies on the re-usable code written in HTML, CSS and java script and developers do not have to build the code for a website from scratch.

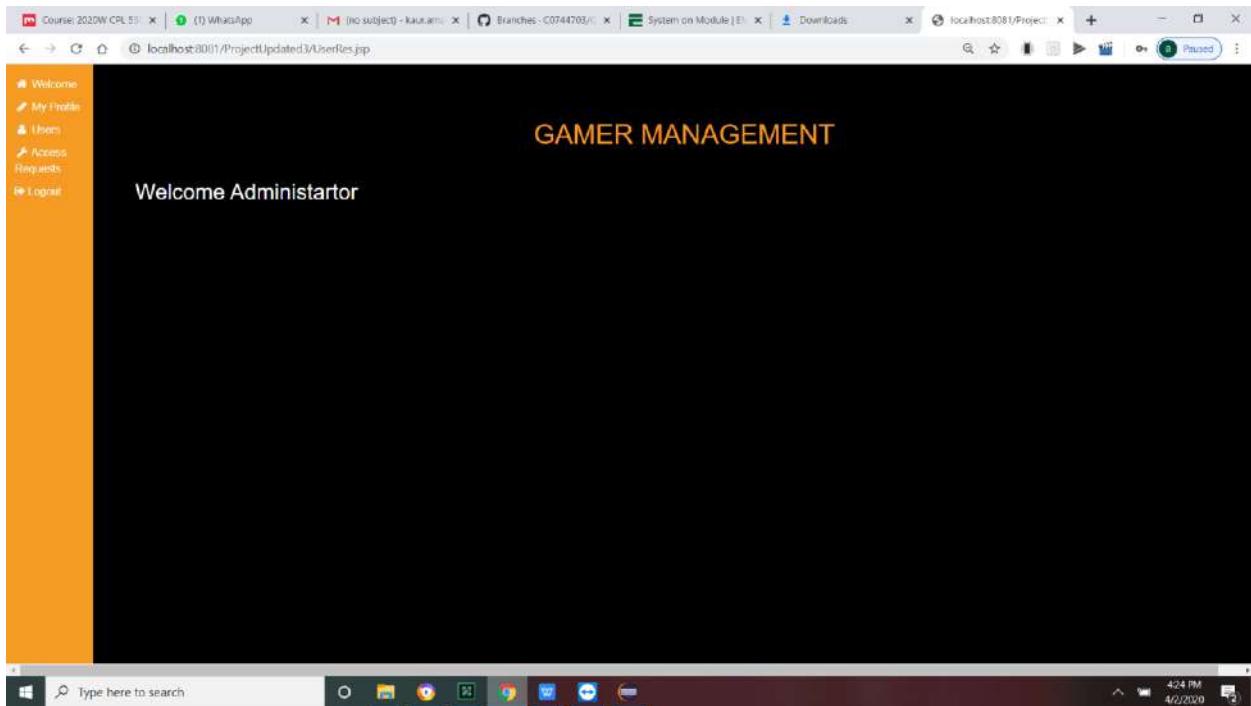
Versions of Bootstrap:

It is available in two types, as a precompiled version having CSS and JS files and their minified version and second is source code version. The precompiled version can be used offline and it will download in your local machine, also enables the quick usage of it in any web project. In contrast, source code version can only be used with the availability of internet. In this version bootstrap is hosted somewhere else and one can only take the link of that and can use in their project.

Why we used the precompiled version of Bootstrap:

We are using the minified version compiled CSS and JS files of bootstrap in our project as it improves the performance of website by reducing the size of the file. Moreover, it comes with jquery plugins which helps us to add more interactive elements to our website like menu, forms, dialog boxes, various visual effects etc. Apart from this, we can use this version without availability of internet.

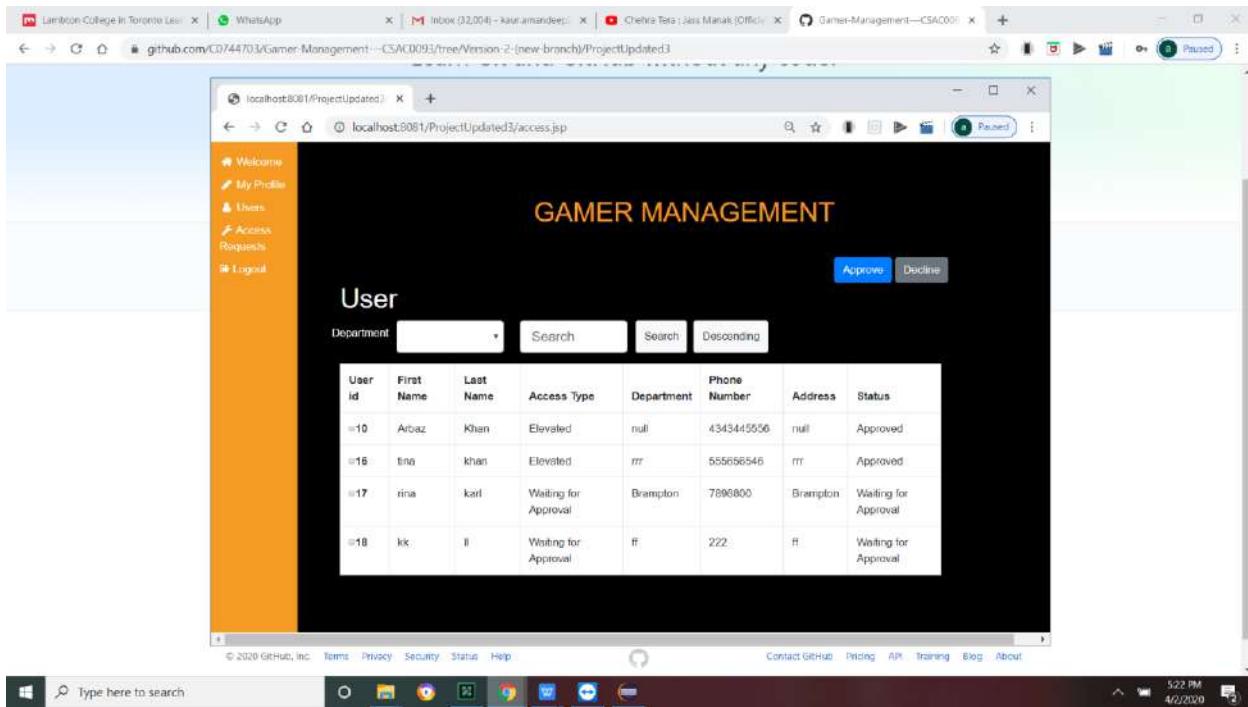
If you have had some experience with any front-end framework, you might be wondering what makes Bootstrap so special. Here are some advantages why one should opt for Bootstrap framework:



- **Save lots of time** - With the presence of feature like predefined design template and classes you save a lot of time and efforts using Bootstrap and the save time can be used on development side

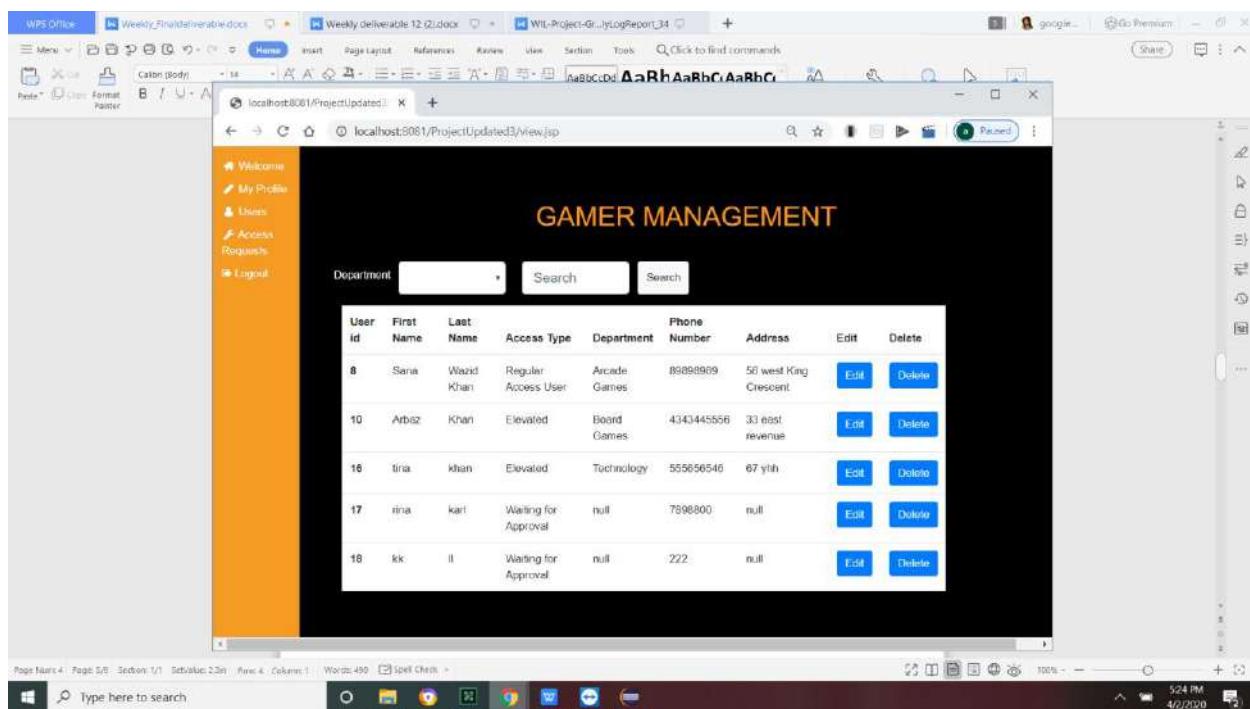
- **Responsive features** - One of the most important aspect of Bootstrap is the feature of adapting the screen sizes which in other words we say responsiveness of the website in different screen sizes.

Adjusting itself according to the screen size.



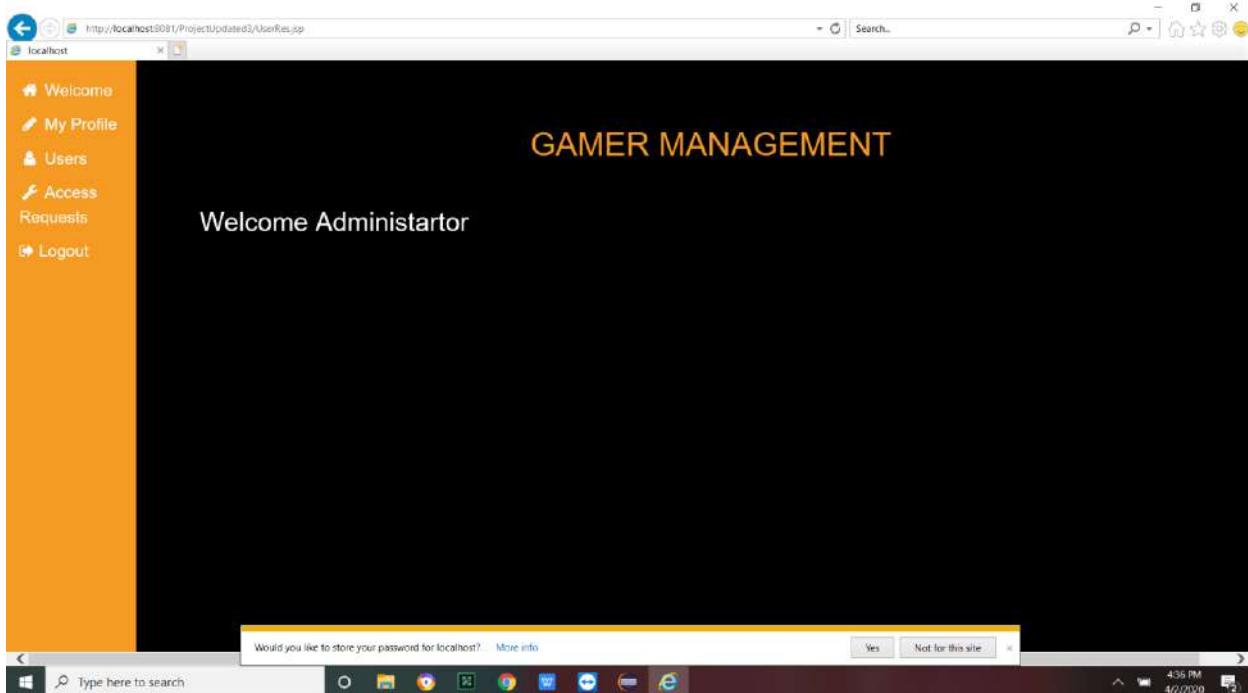
- **Consistent design** — All Bootstrap components share the same styles and design templates through a central library, so the layout and design of your web pages will be consistent.

- **Easy to use** — Bootstrap is very easy to use. Anybody with the basic working knowledge of HTML, CSS and JavaScript can start development with Bootstrap.

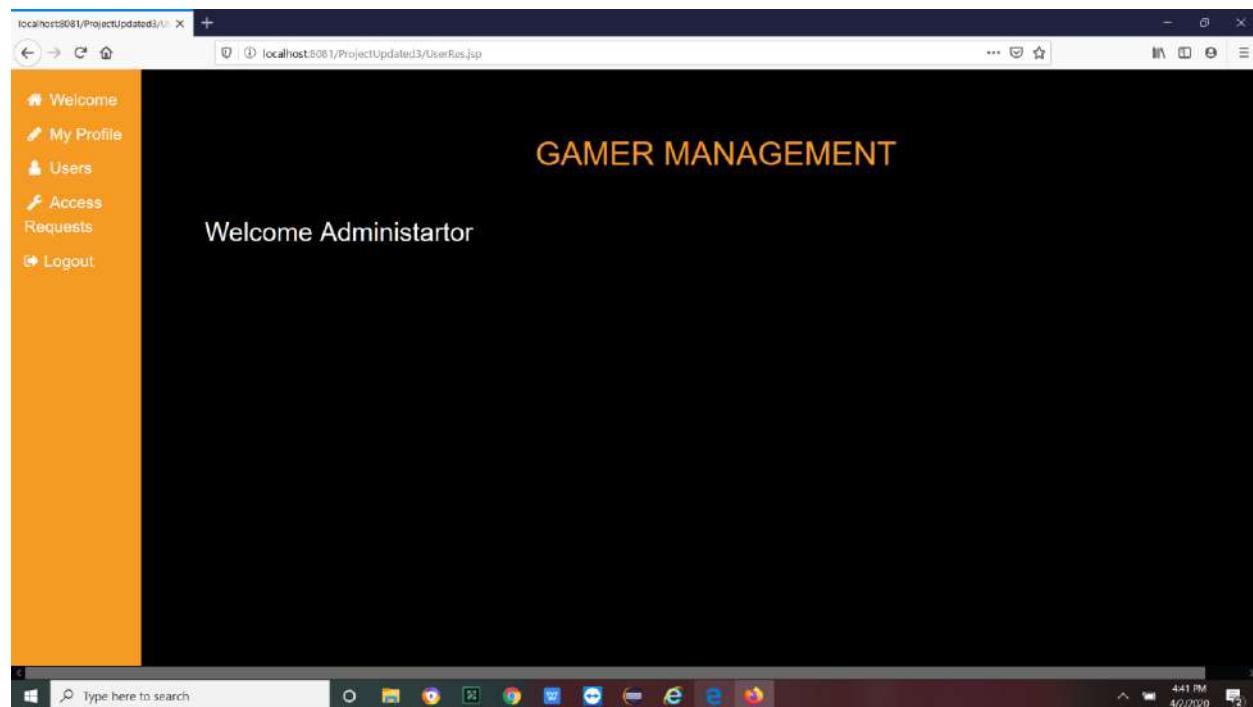


- **Compatible with browsers** — Bootstrap is created with modern web browsers in mind and it is compatible with all modern browsers such as Chrome, , Safari, Internet Explorer, etc.

Internet Explorer



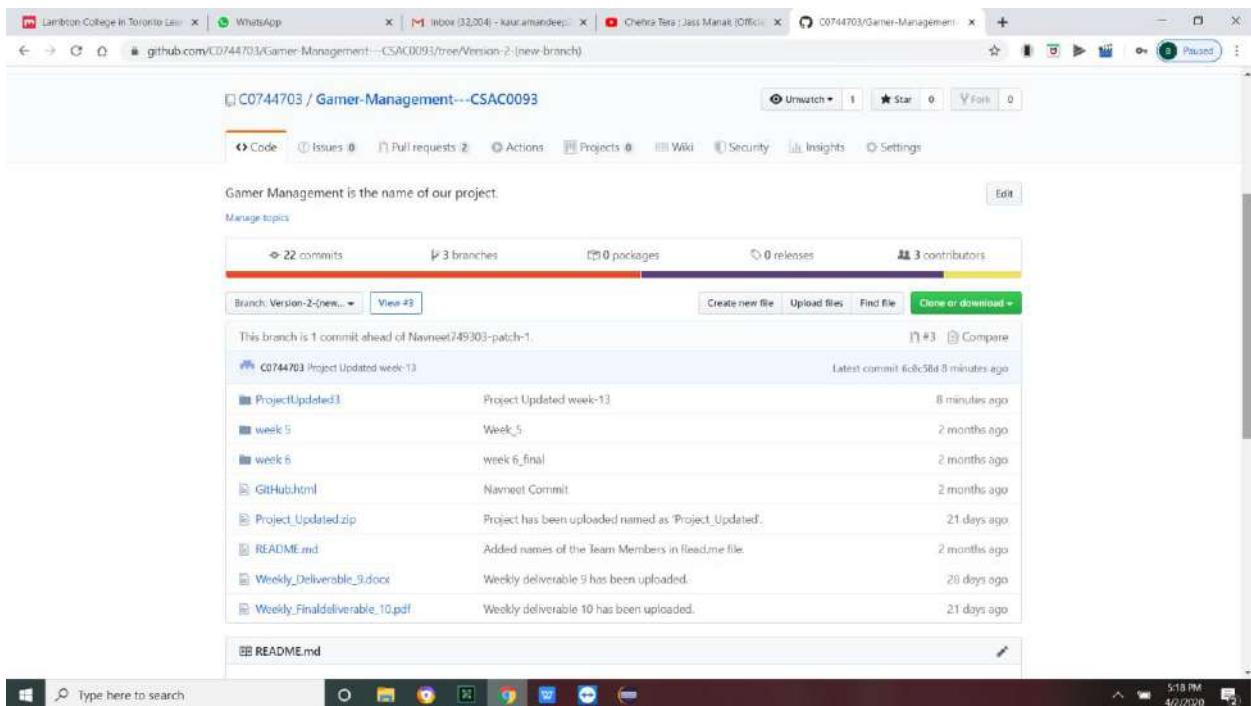
Firefox

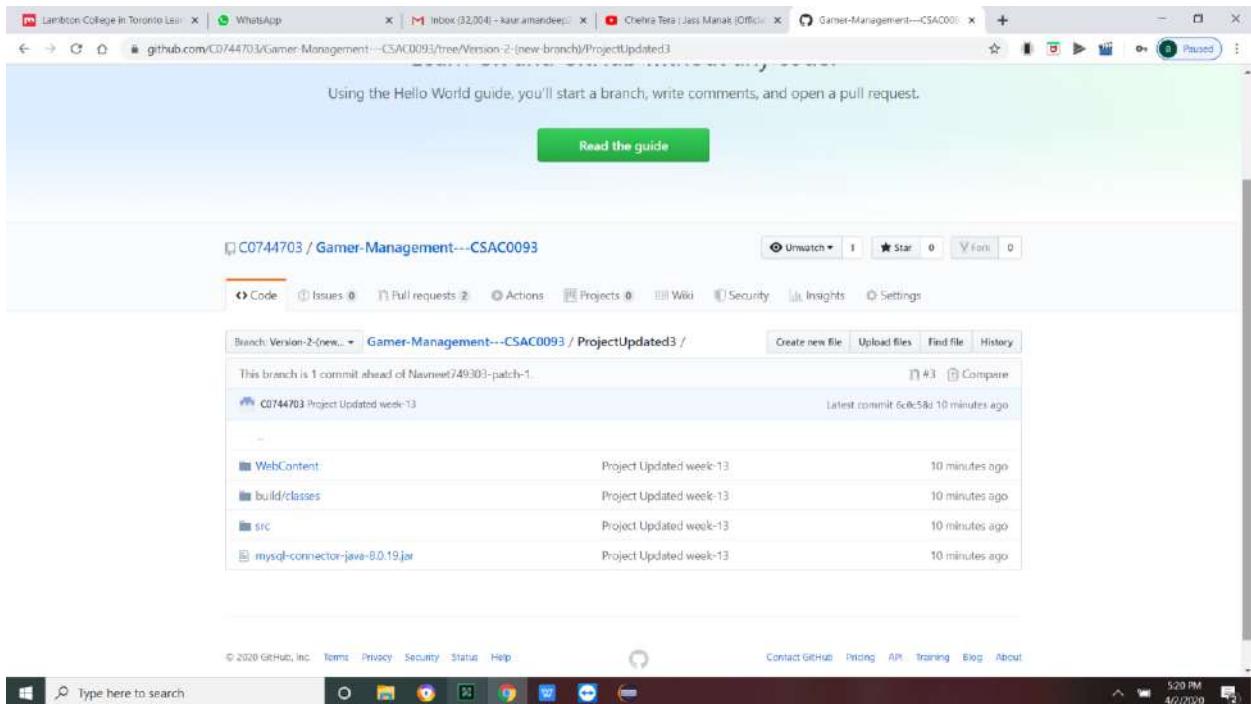


- **Open Source** — And the best part is, it is completely free to download and use and makes the applications compatible and responsive.

GITHUB

Here we created a new branch named Version-2(new branch) and copied the project with name ProjectUpdated3 into that branch.





Tables and fields in the database

```
MySQL 5.5 Command Line Client
Enter password: ****
Welcome to the MySQL monitor.  Commands end with ; or \g.
Your MySQL connection id is 33
Server version: 5.5.62 MySQL Community Server (GPL)

Copyright (c) 2000, 2018, Oracle and/or its affiliates. All rights reserved.

Oracle is a registered trademark of Oracle Corporation and/or its
affiliates. Other names may be trademarks of their respective
owners.

Type 'help;' or '\h' for help. Type '\c' to clear the current input statement.

mysql> use usermanagement;
Database changed
mysql> show tables;
+-----+
| Tables_in_usermanagement |
| user                           |
+-----+
1 row in set (0.01 sec)

mysql> select * from user;
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
| userId | userEmail           | userName | userLastName | userPassword | userConfPassword | userDob | userCaptcha | userCity | userPhn | userAccessType | userAccessTypeActive | userDepartment | userAdrr |
| userPostal |
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
8 | sana@gmail.com | Sana   | Wazid Khan | sana@123    | sana@123     | 2020-02-08 | NULL    | 099999999 | Regular Access User | NULL          | NULL          | Arcade Games | 56 west
King Crescent | 32232
10 | Arbaaz@gmail.com | Arbaaz | Khan      | arbaaz@123  | arbaaz@123   | 2020-03-11 | NULL    | 4343445556 | Elevated       | Approved       | Board Games  | 33 east
revenue | 322222
16 | tina@gmail.com | tina   | khan      | tina@123   | tina@123    | 2020-03-06 | xTas23  | 5556565656 | Elevated       | Approved       | Technology   | 67 yhh
444443
17 | Rina@gmail.com | rina   | karl      | rina@123  | rina@123    | 2020-03-04 | r0igVlr | Brampton    | Waiting for Approval | Waiting for Approval | NULL          | NULL
Rina@gmail.com | NULL
18 | ks@gmail.com | ks    | II       | ks@123    | ks@123     | 2020-04-16 | 80x258w | ff        | 222          | Waiting for Approval | Waiting for Approval | NULL          | NULL
ks@gmail.com | NULL
+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+-----+
5 rows in set (0.01 sec)

mysql>
```

Week-13

Test management tools

It is a software used to maintain test cases and test plans. Besides this it also helps to raise bugs or defects in the project to ensure that the project runs smoothly, because a small error can result in the failure of a project.

There are many tools for testing available in the market which facilitates the testing process to make the web application free from bugs and easily run the process to achieve the goals. We are discussing about three tools as follows:

1. Test complete
2. TertLink
3. Webtst

1. Testcomplete:

This testing tools helps to do functional automated testing including desktop mobile and web application. It also provides cross-browser feature which means one can record test case in one browser and run it on another browser, so there is no need to develop individual test for different browsers.

Moreover, it also has the feature of test visualizer makes easy to take screenshots while doing test execution helping us to make difference between real and expected results.

Futhermore, the test complete tool can assist various scripting languages like java Script, Python and VB Script as well as other techniques of testing such as key driven, this test case is described by predefined set of keywords which are further related with the actions needed to execute steps in test case. Besides this, key driven testing describes every act like mouse click, key press etc.

Testcomplete has the quality of record and play back which make easy for the tester to record all the actions needed to replay the test. So, there will be a record to review for later or future.

TEST LINK

Introduction to Test Link tool

The test link tool is well-known open source web-based test management tool. This tools can handle both requirement and test specification method at one time.

Moreover, with the help of this tool the user can easily create document test and test project case. The admin can only access to test link tool with the help of this the admin can assign different tasks to their team members according to the demand of the project.

The test link is a tool that can build the test cases in manual and automatic execution. The reports can be generated in various formats like MS Word and html formats. This tool can develop the results within a very short interval of time.

Advantages-

- The test link tool can support multiple project at one time.
- It also supports various test techniques like agile and black box testing.
- This tool also has the functionality of providing test cases to multiple users in an easy way.
- The users can easily get the result of particular test cases from their Id and keyword.

Installation

As we all know that this tool is based on the concept of client and server, so we need to install

- ✓ apache web server
- ✓ php
- ✓ MySql

Server before installing the test link tool.

WebTst

WebTst has a great advantage of being an open-source test management tool which aims on managing and creating user-centric testing.

Following are the goals: -

- Facilitate the site developer by enabling new features to their sites in a controlled manner
- Facilitate the site testers in making sure of the proper running of the site
- Facilitate site maintainer in making sure the smooth operating of the site

The tests Webtst can perform: -

- Access- the examination succeeds on access to the page.
- Content-Sequence-Incorrect = If pattern is in incorrect sequence the test returns as failed.
- Content-Sequence-Correct = If pattern is in correct sequence and matches the given expression it is a success.
- Page-original = The test succeeds if the page is returned to the assigned place.
- Time = The test succeeds if the result is retrieved with in the desired time frame.
- Title-Correct = The test succeeds if the given expression matches the original.
- Title-Correct = The test fails if the given expression does not match the original.
- STATUS_SUCCESS – The test succeeds if result status code matches regular expression.
- Status-Code-Pass = The test succeeds if the result code matches the expression.

- Status-Code-Fail = The test Fail if the result code does not match the expression.
- Custom-Approach = Be your own tester and think of possible scenario, procedures sub-procedures and a parameter list. Test could have a predefined input and output interface.

Software Specifications

Operating System	Windows and LINUX
Processor	I3 and above
Storage	500GB and above
RAM	2GB and above
Hard Disk	250 – 500 GB
App storage	10-50 MB



Test Case Sheet

We are using Manual Testing to complete the testing process. Here, screenshots of excel sheet of Test Cases.

1.

The screenshot shows an Excel spreadsheet with the following structure:

Test Scenario ID	Test Scenario Description	Test Case ID	Test Case Description	Test Steps	Preconditions/Test Data	Post Conditions	Expected Result	Actual Result	Status	Execution by	Execution Date	Comments/Findings
T5_GM_001	Verify the Login functionality of Gamer Management page for ADMIN	TC_GM_A_Login_001	Enter a valid USERNAME and valid PASSWORD.	1. Enter a valid USERNAME and valid PASSWORD. 2. Click on LOGIN button.	Valid URL: USERNAME - admin@gmail.com Password - Admin@123	Admin should be able to see Welcome Page	Successful Login	Successful Login	Pass	Ak003	8/4/2020	No Comments
T5_GM_001	Verify the Login functionality of Gamer Management page for ADMIN	TC_GM_A_Login_002	Enter a valid USERNAME and invalid PASSWORD.	1. Enter a valid USERNAME and invalid PASSWORD. 2. Enter an invalid PASSWORD.	Valid URL: USERNAME - admin@gmail.com Password - Admin	Error message "invalid username or password"	A Pop-up message has been shown to reflect the error	A Pop-up message has been shown to reflect the error	Pass	Ak003	8/4/2020	No Comments
T5_GM_001	Verify the Login functionality of Gamer Management page for ADMIN	TC_GM_A_Login_003	Enter an invalid USERNAME and valid PASSWORD.	1. Enter an invalid USERNAME and valid PASSWORD. 2. Enter a valid USERNAME and valid PASSWORD.	Valid URL: USERNAME - admin@gmail.com Password - Admin@123	Error message "invalid username or password"	A Pop-up message has been shown to reflect the error	A Pop-up message has been shown to reflect the error	Pass	GM002	8/4/2020	No Comments
T5_GM_001	Verify the Login functionality of Gamer Management page for ADMIN	TC_GM_A_Login_004	Enter a invalid USERNAME and invalid PASSWORD.	1. Enter an invalid USERNAME. 2. Enter an invalid PASSWORD.	Valid URL: USERNAME - admin@gmail.com Password - Admin@123	Error message "invalid username or password"	A Pop-up message has been shown to reflect the error	A Pop-up message has been shown to reflect the error	Pass	GM002	8/4/2020	No Comments
T5_GM_002	Verify the Login functionality of Gamer Management page for ADMIN	TC_GM_A_Login_005	Enter a valid USERNAME and valid PASSWORD.	1. Enter a valid USERNAME and valid PASSWORD. 2. Click on LOGIN button.	Valid URL: USERNAME - sara@gmail.com Password - sara@123	User should be able to see Welcome Page	Successful Login	Successful Login	Pass	NS003	8/4/2020	No Comments
T5_GM_002	Verify the Login functionality of Gamer Management page for ADMIN	TC_GM_A_Login_006	Enter a valid USERNAME and invalid PASSWORD.	1. Enter a valid USERNAME and invalid PASSWORD. 2. Enter an invalid PASSWORD.	Valid URL: USERNAME - sara@gmail.com Password - sara	Error message "invalid username or password"	A Pop-up message has been shown to reflect the error	A Pop-up message has been shown to reflect the error	Pass	NS003	8/4/2020	No Comments
T5_GM_002	Verify the Login functionality of Gamer Management page for ADMIN	TC_GM_A_Login_007	Enter an invalid USERNAME and valid PASSWORD.	1. Enter an invalid USERNAME. 2. Enter a valid PASSWORD.	Valid URL: USERNAME - sara@gmail.com Password - sara@123	Error message "invalid username or password"	A Pop-up message has been shown to reflect the error	A Pop-up message has been shown to reflect the error	Pass	NS004	8/4/2020	No Comments
T5_GM_002	Verify the Login functionality of Gamer Management page for ADMIN	TC_GM_A_Login_008	Enter a invalid USERNAME and invalid PASSWORD.	1. Enter an invalid USERNAME. 2. Enter an invalid PASSWORD.	Valid URL: USERNAME - sara@gmail.com Password - sara123	Error message "invalid username or password"	A Pop-up message has been shown to reflect the error	A Pop-up message has been shown to reflect the error	Pass	NS004	8/4/2020	No Comments
T5_GM_003	Verify the ADD user function performed by ADMIN to add a new user	TC_GM_Add_009	Enter a valid Email Address, Password, FirstName, LastName, DOB, AccessType, PhoneNumber, Department, Address, Postal	1. Enter a valid Email Address. 2. Enter a valid Password. 3. Enter a valid First Name. 4. Enter a valid Last Name. 5. Enter a valid DOB using date picker. 6. Select a valid Access Type using dropdown list. 7. Enter a valid Phone Number. 8. Enter a valid Address.	Valid URL: Test Data Email Address - Nesti@gmail.com Password - Nesti@123 First name - Nesti Last name - Hensel DOB - 04/23/1991 AccessType - Regular Phone Number - 0383030388 Department - Technology	Confirmation message will be reflected "Thanks for Registration."	New user registered successfully and A Pop-up message will be shown.	New user registered successfully and A Pop-up message will be shown.	Pass	Ak003	8/4/2020	No Comments

2.

18	T5_GM_003	Verify the ADD user function performed by ADMIN to add a new user	TC_GM_Add_010	Enter a invalid Email Address, Password, Firstname, Lastname, DOB, AccessType, PhoneNumber,Department,Address, Postal	1. Enter a invalid Email address. 2. Enter a valid Password. 3. Enter a valid First Name. 4. Enter a valid Lastname. 5. Enter a valid DOB using date picker. 6. Select a valid Access Type using dropdown list. 7. Enter a valid Phone Number. 8. Enter a valid Address. 9. Enter a valid Postal.	Valid URL: Test Data:	Email Address- wasr Password - wasr123 Firstname - Wair Lastname - Hassan DOB - 04/12/1991 AccessType - Regular PhoneNumber - 565576789 Department - Technology Address - 12 street east Postal - LVRNBu	Error message reflected on Email address field! "Please include an '@' in the email address."	An error message should be reflected, pointing a particular field that contains error.	An error message has been shown pointing Email address field! "Please include an '@' in the email address"	Pass	NG003	5/4/2020	No Comments	
19	T5_GM_008	Verify the ADD user function performed by ADMIN to add a new user	TC_GM_Add_011	Enter a invalid Email Address, Password, Firstname, Lastname, DOB, AccessType, PhoneNumber,Department,Address, Postal	1. Enter a invalid Email address. 2. Enter a valid Password. 3. Enter a valid First Name. 4. Enter a valid Lastname. 5. Enter a valid DOB using date picker. 6. Select a valid Access Type using dropdown list. 7. Enter a valid Phone Number. 8. Enter a valid Address. 9. Enter a valid Postal.	Valid URL: Test Data:	Email Address- wasr@gmail.com Password - wasr123 Firstname - Wair Lastname - Hassan DOB - 04/12/1991 AccessType - Regular PhoneNumber - 565576789 Department - Technology Address - Postal - LVRNBu	Error message reflected on Address field! "Please fill out this field!"	An error message should be reflected, pointing a particular field that contains error.	An error message has been shown pointing Address field! "Please fill out this field!"	Pass	NG002	5/4/2020	No Comments	
20	T5_GM_008	Verify the ADD user function performed by ADMIN to add a new user	TC_GM_Add_012	Enter a valid Email Address, invalid Password, Firstname, Lastname, DOB, AccessType, PhoneNumber,Department,Address, Postal	1. Enter a valid Email address. 2. Enter a invalid Password. 3. Enter a valid First Name. 4. Enter a valid Lastname. 5. Enter a valid DOB using date picker. 6. Select a valid Access Type using dropdown list. 7. Enter a valid Phone Number. 8. Enter a valid Address. 9. Enter a valid Postal. 10. Click on	Valid URL: Test Data:	Email Address- wasr@gmail.com Password - wasr123 Firstname - Wair Lastname - Hassan DOB - 04/12/1991 AccessType - Regular PhoneNumber - 565576789 Department - Technology Address - 12 street east Postal - LVRNBu	Error message reflected on Address field! "Please match the requested format!"	An error message should be reflected, pointing a particular field that contains error.	An error message has been shown pointing Password field! "Please match the requested format!"	Pass	NG002	5/4/2020	No Comments	
21	T5_GM_004	Verify the DELETE user function performed by ADMIN to delete a user from the database.	TC_GM_Del_013	Enter a valid User ID.	1. Go to Users tab. 2. click on DELETE button. 3. enter a valid User ID. 4. Click on DELETE button.	Valid URL: Test Data:	User ID - 19	Pop-up message reflected with message "User has been deleted!"	User's data should be deleted from the database and pop up message should be reflected	User's data deleted and An error message reflected in pop-up message "User has been deleted!"	Pass	NG003	5/4/2020	No Comments	

3.

20	T5_GM_003	Verify the ADD user function performed by ADMIN to add a new user	TC_GM_Add_012	Enter a valid Email Address, Password, Firstname, Lastname, DOB, AccessType, PhoneNumber,Department,Address, Postal	1. Enter a valid Email address. 2. Enter a invalid Password. 3. Enter a valid First Name. 4. Enter a valid Lastname. 5. Enter a valid DOB using date picker. 6. Select a valid Access Type using dropdown list. 7. Enter a valid Phone Number. 8. Enter a valid Address. 9. Enter a valid Postal. 10. Click on	Valid URL: Test Data:	Email Address- wasr@gmail.com Password - wasr123 Firstname - Wair Lastname - Hassan DOB - 04/12/1991 AccessType - Regular PhoneNumber - 565576789 Department - Technology Address - 12 street east Postal - LVRNBu	Error message reflected on Address field! "Please match the requested format!"	An error message should be reflected, pointing a particular field that contains error.	An error message has been shown pointing Password field! "Please match the requested format!"	Pass	NG002	5/4/2020	No Comments	
21	T5_GM_004	Verify the DELETE user function performed by ADMIN to delete a user from the database.	TC_GM_Del_013	Enter a valid User ID.	1. Go to Users tab. 2. click on DELETE button. 3. Enter a valid User ID. 4. Click on DELETE button.	Valid URL: Test Data:	User ID - 19	Pop-up message reflected with message "User has been deleted!"	User's data should be deleted from the database and a pop up message should be reflected to confirm the deletion.	User's data deleted and An error message reflected in pop-up message "User has been deleted!"	Pass	NG003	5/4/2020	No Comments	
22	T5_GM_003	Verify the DELETE user function performed by ADMIN to delete a user from the database.	TC_GM_Del_014	Enter an invalid User ID.	1. Go to Users tab. 2. click on DELETE button. 3. Enter a invalid User ID. 4. Click on DELETE button.	Valid URL: Test Data:	User ID - 188	An error message is shown pointing the field "Sorry! User does not exist. Please enter a valid User ID!"	User's data is not deleted and An error message reflected in Pop-up message "Sorry! User does not exist. Please enter a valid User ID!"	User's data is not deleted and An error message reflected in Pop-up message "Sorry! User does not exist. Please enter a valid User ID!"	Pass	NG003	5/4/2020	No Comments	
23	T5_GM_003	Verify the EDIT user function performed by Admin to edit a user from the database.	TC_GM_Edt_015	Enter a valid User ID.	1. Go to Users tab. 2. click on EDIT button. 3. Enter a valid User ID. 4. Click on UPDATE button.	Valid URL: Test Data:	User ID - 18	User has been navigated to edit screen where information of that particular user can be edited	Admin should be navigated to next screen where he can save it by using UPDATE button and information will be updated in the database.	Admin edited the information and data has been updated into the database	Pass	NG003	5/4/2020	No Comments	
24	T5_GM_004	Verify the user EDIT function performed by ADMIN to delete a user from the database.	TC_GM_Edt_016	Enter an invalid User ID.	1. Go to Users tab. 2. click on EDIT button. 3. Enter a invalid User ID. 4. Click on UPDATE button.	Valid URL: Test Data:	User ID - 100	Pop up message reflected "User doesn't exist. Please enter a valid User ID!"	Pop up message should be reflected "User doesn't exist. Please enter a valid User ID!"	Admin is not able to perform Edit function as UserID entered is not valid and shows error message	Pass	NG004	5/4/2020	No Comments	

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Comments(if any)												
22 TS_GM_004	Verify the EDIT user function performed by ADMIN to Edit a user from the database.	TC_GM_Edit_015	Enter a valid User ID.	1. Go to Users tab. 2. click on EDIT button. 3. Enter a valid User ID. 4. Click on UPDATE button.	Valid URL Test Data	User ID - 16	User has been navigated to next screen where information of that particular user can be edited. Admin should be able to edit the information and save it by using update button. Admin's changes and information will be updated in the database.	Admin should be navigated to next window where he can edit the information and save it by using update button. Admin's changes and information will be updated in the database.	Pass	K5004	5/4/2020	No Comments
23 TS_GM_004	Verify the user EDIT function performed by ADMIN to delete a user from the database.	TC_GM_Edit_016	Enter an invalid User ID.	1. Go to Users tab. 2. click on EDIT button. 3. Enter a invalid User ID. 4. Click on UPDATE button.	Valid URL Test Data	User ID - 100	Pop up message reflected "User doesn't exist. Please enter a valid UserID!"	Pop up message should be reflected "User doesn't exist. Please enter a valid UserID!"	Pass	K5004	5/4/2020	No Comments
25 TS_GM_005	Verify the ELEVATED ACCESS Function	TC_GM_Ele_017	Click on Elevated Access Button	1. Go to My Profile tab. 2. Click on Elevated Access Request button	Valid URL Test Data	CLICK ELEVATED REQUEST BUTTON	clicking on Elevated access button	Admin click on Elevated access request button should get inactive and a pop up message should be shown "you requested for Elevated Access."	Pass	K4003	5/4/2020	No Comments
30 TS_GM_005	Verify the ELEVATED ACCESS Function	TC_GM_Ele_018	Request already sent. Click on Elevated Access button again.	1. Go to My Profile tab. 2. Click on Elevated Access Request button	Valid URL Test Data	CLICK ELEVATED REQUEST BUTTON	Button is not able to click it is inactive	button should get inactive and not able to perform any function.	Pass	K4003	5/4/2020	No Comments
37 TS_GM_006	Verify the Request Access Approve Function from Admin	TC_GM_App_019	Click in checkbox to select the user to approve or decline its request	1. Login into the account. 2. Go to Request Access tab. 3. Select any user by clicking the checkbox. 4. click on Agree button.	Valid URL Test Data	Tick the checkbox of user id 30 named Arlkit to approve its request.	After clicking on checkbox, user data get selected and after clicking on approve button. User's request got approved successfully showing pop up message "Request approved".	User's request got approved successfully	Pass	K4002	5/4/2020	No Comments
29 TS_GM_007	Verify the Request Access Decline Function from Admin	TC_GM_Dec_020	Click in checkbox to select the user to approve or decline its request	1. Login into the account. 2. Go to Request Access tab. 3. Select any user by clicking the checkbox. 4. click on Decline button.	Valid URL Test Data	Tick the checkbox of user id 50 named Arlkit to Decline its request.	After clicking on checkbox, user data get selected and after clicking on approve button. User's request got declined and showing pop up message "Request Declined".	User's request get declined showing pop up message "Request Declined"	Pass	K5003	5/4/2020	No Comments