

AWS Lambda

Project Management

Portal

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1 General Information

1.1 System Overview

A Project Management application developed using AWS Lambda.

2 Roles

2.1 Admin

The person configured as “Admin” in Project Management Portal has ability to assign roles Project Managers and Developers to the users. Every user who signs up for his portal will by default be assigned the Developer role. The Admin will not be able to view any information related to Projects. The Admin will be able to search the users using the Search Tool.

2.2 Project Manager

The person Configured as Project Manager in Project Management Portal has ability to assign/remove users as Developers to a Project. Project Manager can edit the Project Status, Project Start Date and Project End Date. The Project Manager will be able to edit his own user profile details including First Name, Last Name only and not the username or the email address. The Project Manager will be able to see all the projects he created.

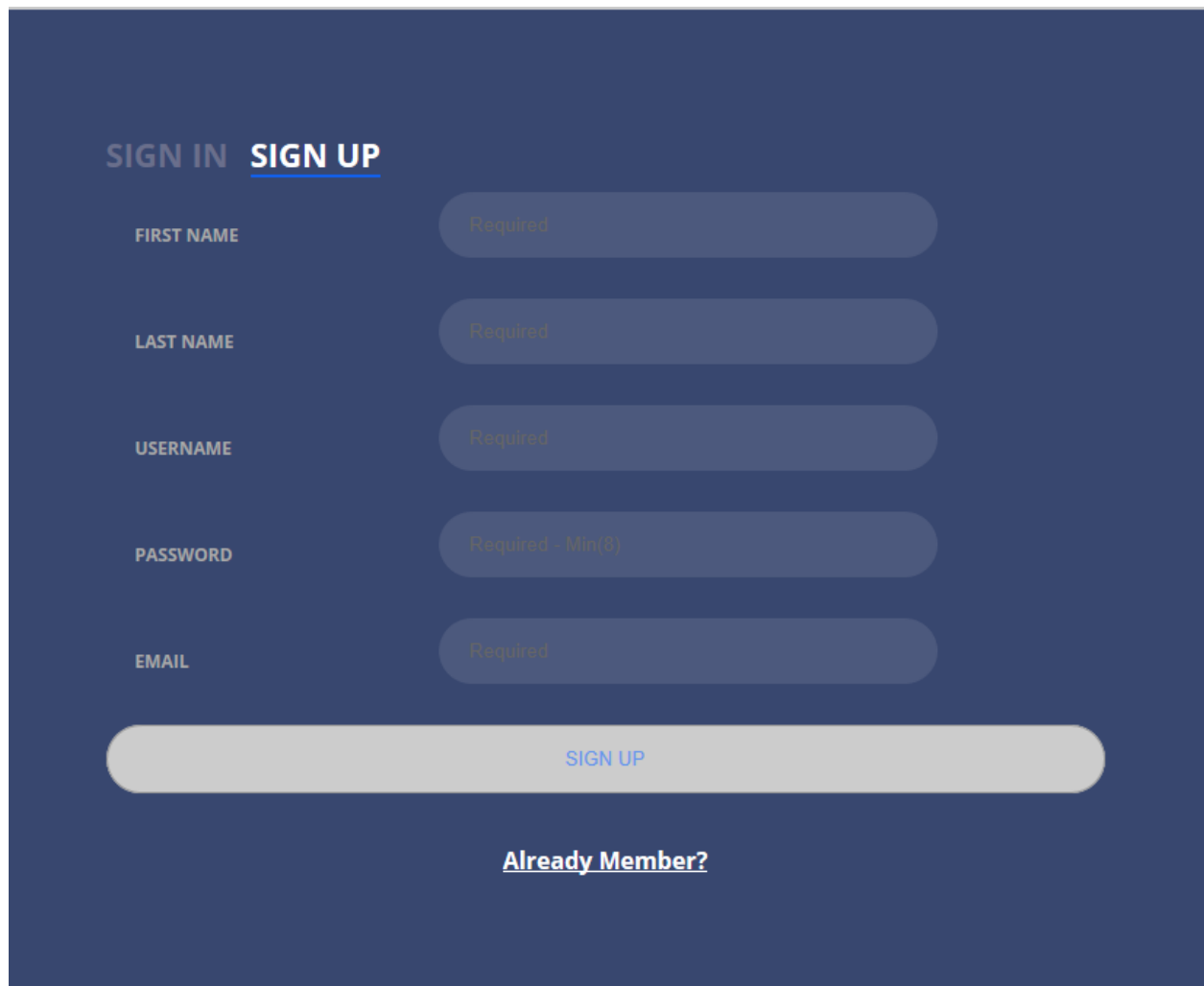
2.3 Developer

The person Configured as Developer in Project Management Portal has ability to edit his own user profile details including First Name, Last Name only and not the username or the email address. The Developer will be able to see all the details of the Projects to which he is assigned.

3 Functionality

3.1 Sign Up

To sign up go to Project Management Portal and Click “SIGN UP” and enter the required information

The image shows a 'Sign Up' form on a dark blue background. At the top left, there are two links: 'SIGN IN' and 'SIGN UP', with 'SIGN UP' being underlined and highlighted in white. Below these are five input fields, each with a label on the left and a placeholder text inside the field: 'FIRST NAME' (Required), 'LAST NAME' (Required), 'USERNAME' (Required), 'PASSWORD' (Required - Min(8)), and 'EMAIL' (Required). The fields are light blue rounded rectangles. Below the input fields is a large, light gray rounded rectangle button with the text 'SIGN UP' in blue. At the bottom of the form, there is a link that says 'Already Member?' in white, underlined text.

SIGN IN **SIGN UP**

FIRST NAME Required

LAST NAME Required

USERNAME Required

PASSWORD Required - Min(8)

EMAIL Required

SIGN UP

Already Member?

Fig 3.1.1 – Sign Up for Portal

The following screen appears. Click on the hyperlink “click here” to learn more about each request type. Select any standalone request type or bundle two or three request types and click the “Next” button. A new GRIP request with Request ID would be generated in the Tasks Section. If the user does not meet the password requirements then the application throws a error message on the screen.

The image shows a 'SIGN UP' form on a dark blue background. At the top left, 'SIGN IN' is in grey and 'SIGN UP' is in white and underlined. The form has five input fields: 'FIRST NAME' with 'Janani', 'LAST NAME' with 'S', 'USERNAME' with 'janu', 'PASSWORD' with ten dots, and 'EMAIL' with 'janani.sundaresan@gmail.com'. Below the fields is a large blue 'SIGN UP' button. A red error message box below the button reads: '✖ Password did not conform with policy: Password must have symbol characters'. At the bottom is a link that says 'Already Member?'.

SIGN IN **SIGN UP**

FIRST NAME Janani

LAST NAME S

USERNAME janu

PASSWORD

EMAIL janani.sundaresan@gmail.com

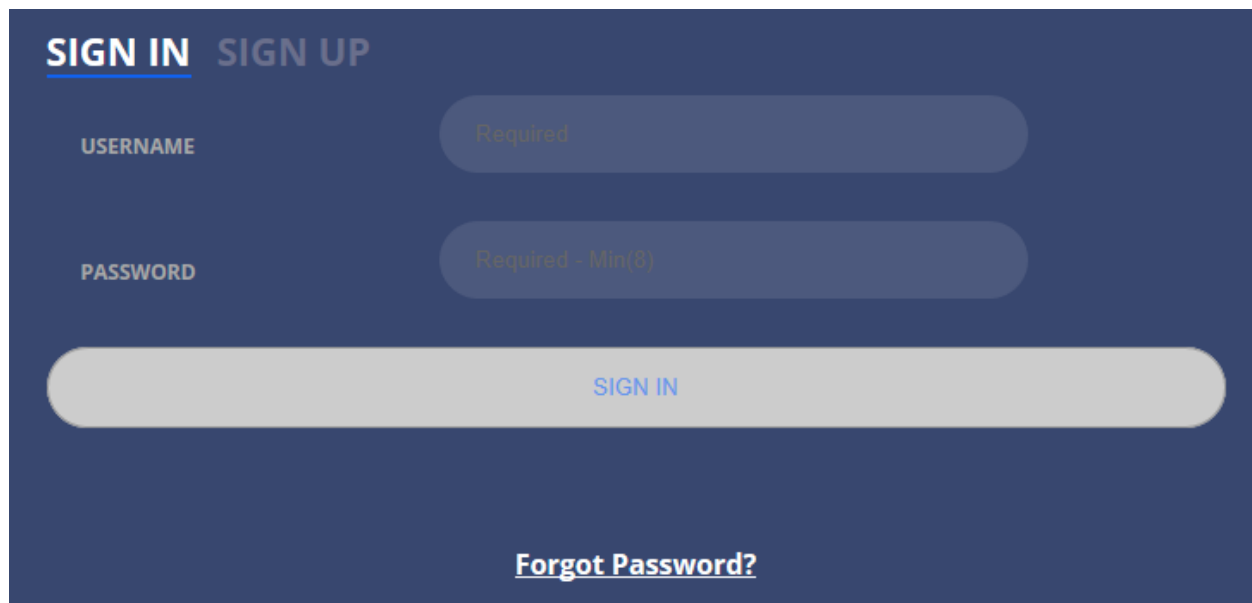
SIGN UP

✖ Password did not conform with policy: Password must have symbol characters

[Already Member?](#)

Fig 3.1.2 – Password Message

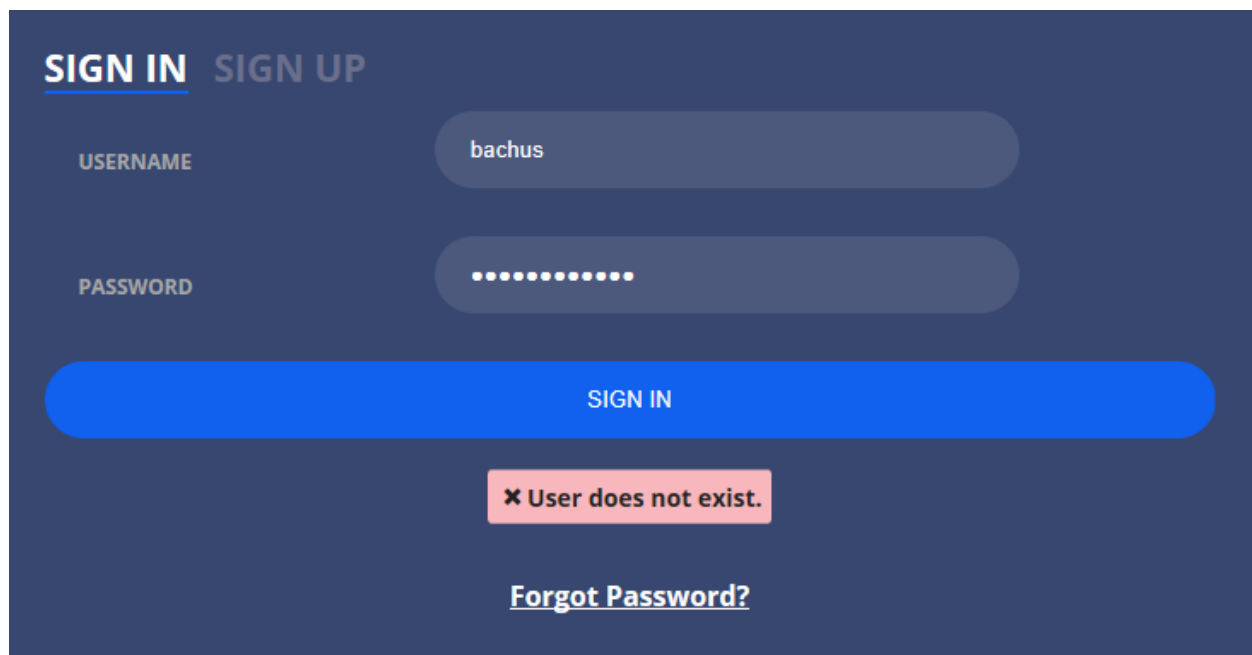
The next time onwards, the registered user can use the Sign in screen to login into the portal.



The image shows a sign-in form on a dark blue background. At the top left, there are two links: "SIGN IN" (underlined and in white) and "SIGN UP" (in grey). Below these are two input fields. The first is labeled "USERNAME" and contains the placeholder text "Required". The second is labeled "PASSWORD" and contains the placeholder text "Required - Min(8)". Below the input fields is a large, light grey button with the text "SIGN IN" in blue. At the bottom, there is a link "Forgot Password?" in white.

Fig 3.1.3 – Sign In for Portal

If the user who is not registered tries to sign in then an error message appears on the screen.

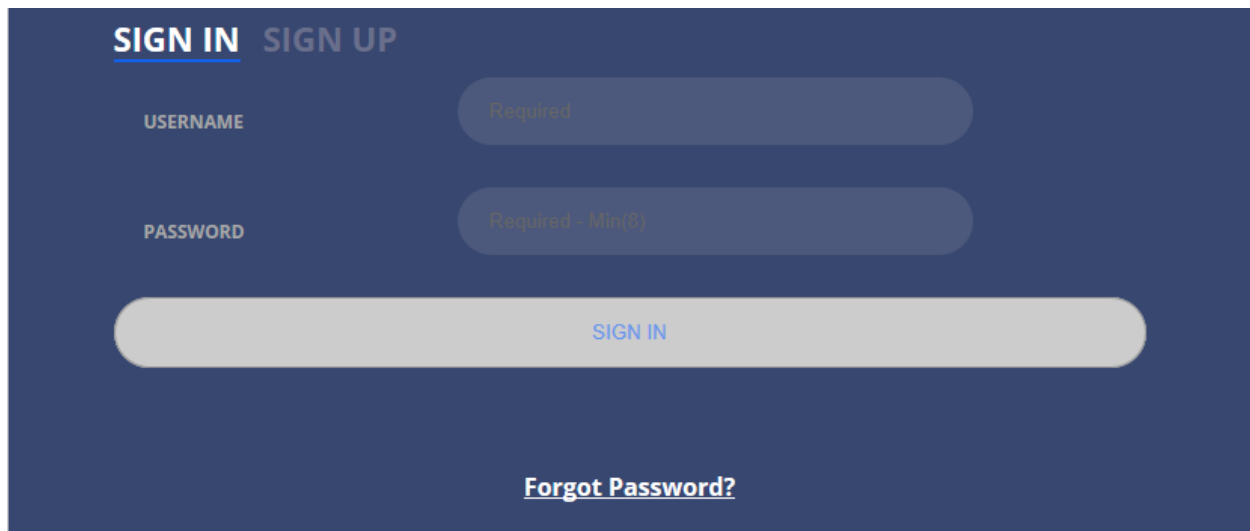


The image shows the same sign-in form as in Fig 3.1.3, but with an error message. The "USERNAME" field now contains the text "bachus". The "PASSWORD" field contains ten dots, indicating a password. The "SIGN IN" button is now blue. Below the button, there is a red error message box that says "✖ User does not exist.". The "Forgot Password?" link is still at the bottom.

Fig 3.1.4 – User does not exist

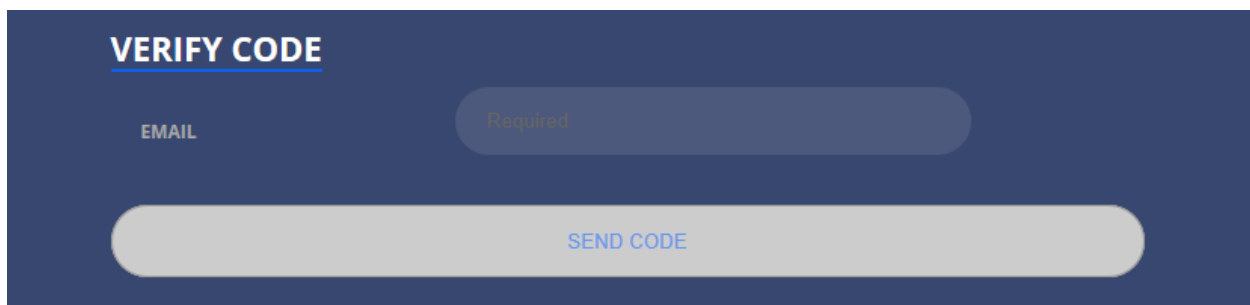
3.2 Forgot Password

If the User forgets the Password, the user can click the “Forgot Password?” link and it will take the user to a page asking the user to enter the Email ID the user has registered with the portal. Then an auto generated email notification with a code will be emailed to the registers user’s email ID. “Resend Email” will resend the code to the user’s email. The user can enter the code received in the email and the new password and the password will be changed successfully.



The image shows a 'SIGN IN' form on a dark blue background. At the top left, 'SIGN IN' is underlined in white, and 'SIGN UP' is in white. Below these are two input fields: 'USERNAME' with a 'Required' hint and 'PASSWORD' with a 'Required - Min(8)' hint. A large, light gray 'SIGN IN' button is centered below the fields. At the bottom center, the text 'Forgot Password?' is underlined in white.

Fig 3.2.1 – Forgot Password



The image shows a 'VERIFY CODE' form on a dark blue background. At the top left, 'VERIFY CODE' is underlined in white. Below it is an 'EMAIL' input field with a 'Required' hint. A large, light gray 'SEND CODE' button is centered below the field.

Fig 3.2.2 – Verification Email

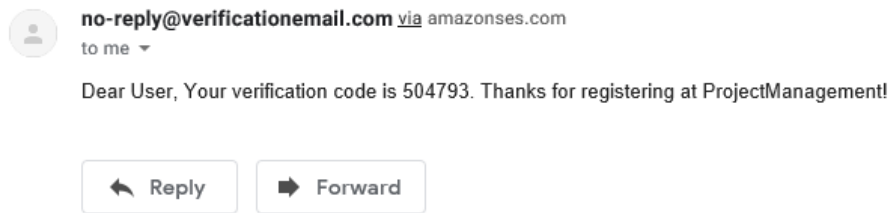


Fig 3.2.3 – Email Notification for Code

A dark blue form titled 'VERIFY CODE' in white. It contains three input fields: 'EMAIL' with a 'Required' hint, 'PASSWORD' with a 'Required - Min(8)' hint, and 'VERIFICATION CODE' with a 'Required' hint. Below the fields is a large, light gray 'CONFIRM' button. At the bottom center, there is a link that says 'Resend email'.

Fig 3.2.4 – Change Password

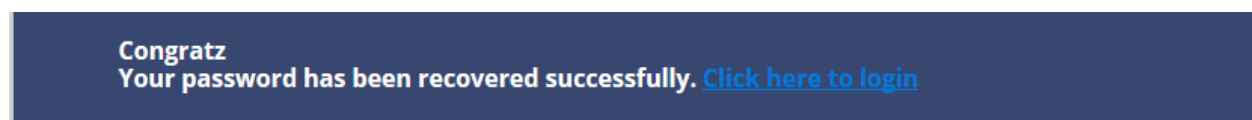


Fig 3.2.5 – Success Message for Password Reset.

3.3 User Profile

The user will be able to view and edit the user details in the Portal. Click on the name of the user on top right corner to navigate to the User Profile Page. The user will be able to edit only the First name and Last name and not the Username and the Email ID. The user here refers to Developer and Project Manager.

The image shows a user profile form on a dark blue background. At the top left, the text "USER PROFILE" is displayed in white, with the word "USER" underlined. Below this, there are four input fields, each with a label on the left and a rounded rectangular input box on the right. The first field is labeled "USERNAME" and contains the text "jsunda7". The second field is labeled "FIRST NAME" and contains the text "Janani". The third field is labeled "LAST NAME" and contains the text "S". The fourth field is labeled "EMAIL" and contains the text "janani.sundaresan@gmail.com". Below these fields is a wide, light gray rounded rectangular button with the word "UPDATE" in blue capital letters.

USERNAME	jsunda7
FIRST NAME	Janani
LAST NAME	S
EMAIL	janani.sundaresan@gmail.com
<button>UPDATE</button>	

Fig 3.3.1 – User Profile Page

3.4 Login as Admin

When the user logs in as admin, the page will display all the users list. The admin will be able to select one user and assign the role as Developer by clicking the “Set as Developer” button and as Project Manager by clicking the “Set as Project Manager” button. The admin will be able to search the users using the search tool.

Project Management

Janani Sundaresan1

Logout

Set as Project Manager

Set as Developer

Search

	First Name	Last Name	UserName	Email
<input type="radio"/>	Hemalatha	T	hemat666	janani.sundaresan+1@gmail.com
<input type="radio"/>	Janani	Sundaresan1	janu	subachu.th+1@gmail.com
<input type="radio"/>	Janani	S	jsunda7	janani.sundaresan@gmail.com
<input type="radio"/>	Momma	bachu	mommabachu	subachu.th+10@gmail.com
<input type="radio"/>	Subhashini	Sundaresan	subachu	subhashini.s@outlook.com

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Fig 3.4.1 – Admin Page

A success message appears whenever a user has been assigned a role.

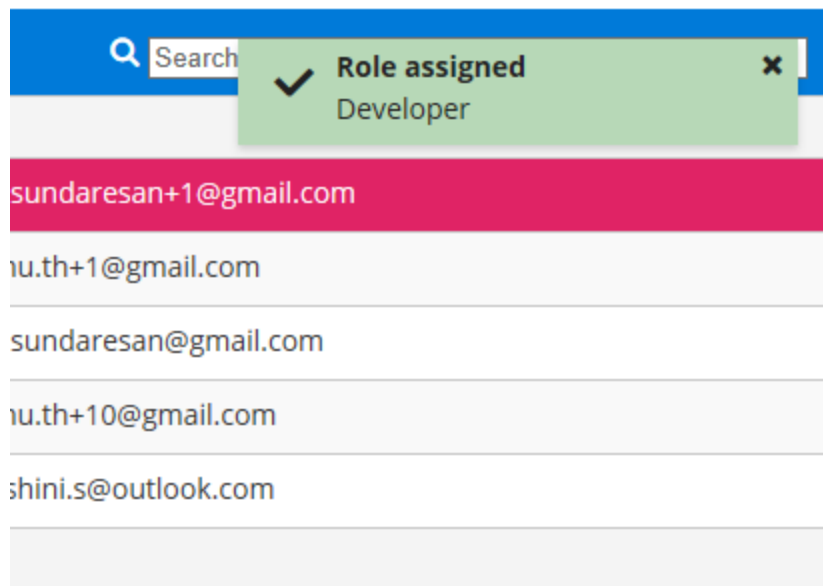


Fig 3.4.1 – Role Assigned Message

3.5 Login as Project Manager

When the user logs in as Project Manager, the page will display all the Projects list with the following information – Project Name, Current Status, Manager Name, Project Description, Project Start Date, Project End Date, Developers working in the project. The Project Manager will be able to search projects by their Status.

The Project Manager can also search by typing any letter in anyone of the following columns - Project Name, Current Status, Manager Name, Project Description, Project Start Date, Project End Date, Developers working in the project. The Project Manager will be able to see all the projects he created and also edit those projects.

Project Management Janani S Logout

Create Edit

	Name	Status	Manager	Description	Start Date	End Date	Developers
<input type="radio"/>	COMP 6244	Active	Janani S	Coursework 1	2018-11-01T00:00:00.000Z	2018-11-01T00:00:00.000Z	Janani Sundaresan1,Hemalatha T,Subhashini Sundaresan
<input type="radio"/>	567745	7547674	Janani Sundaresan1	75674	2018-11-20T05:00:00.000Z	2018-11-07T05:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Subhashini Sundaresan
<input type="radio"/>	Test	Active	Janani S	Test 1	2018-11-20T00:00:00.000Z	2018-11-29T00:00:00.000Z	Momma bachu,Janani S
<input type="radio"/>	status	Completed	Janani Sundaresan1	gdjfgkjdfgdki	2018-11-08T05:00:00.000Z	2018-11-08T05:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Momma bachu,Subhashini Sundaresan
<input type="radio"/>	54534	9797987	Janani Sundaresan1	79879790	2018-11-13T05:00:00.000Z	2018-11-01T04:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Subhashini Sundaresan
<input type="radio"/>	235424	fyiryelw	Momma bachu	yyllyo	2018-11-06T05:00:00.000Z	2018-11-06T05:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Momma bachu,Subhashini Sundaresan
<input type="radio"/>	COMP 6244	Active	Janani S	Coursework	2018-11-01T00:00:00.000Z	2018-11-30T00:00:00.000Z	Janani Sundaresan1,Hemalatha T,Subhashini Sundaresan
<input type="radio"/>	yulyluyi	huhkhkj	Janani Sundaresan1	hkjhkj	2018-11-05T05:00:00.000Z	2018-11-07T05:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Momma bachu,Subhashini Sundaresan

1

Fig 3.5.1 – Project Manager Page

The Project Manager will be able to create a New Project using the “Create” button.

Create Project

CREATE PROJECT

PROJECT MANAGER

Janani S

PROJECT NAME

Required

PROJECT STATUS

Active

PROJECT DESCRIPTION

Required

PROJECT START DATE

PROJECT END DATE

Project Developers

Choose

Yes

No

Fig 3.5.2 – Create Project Page

The Project Manager will be able to assign developers to the project. More than one developer can be selected at a time. The developer's name can also be searched in this field.

Create Project

CREATE PROJECT

PROJECT MANAGER

Janani S

PROJECT NAME

Required

PROJECT STATUS

Active

PROJECT DESCRIPTION

☐

PROJECT START DATE

☐

Hemalatha T

PROJECT END DATE

☒

Janani Sundaresan1

Project Developers

☐

Janani S

☐

Momma bachu

☐

Subhashini Sundaresan

Janani Sundaresan1

Yes

No

Fig 3.5.3 – Assign Developers to the Project

The Project Manager will also be able to edit the Project Details including Project Name, Project Status, Project Description, Project Start & End Date, Developers.

Edit Project

EDIT PROJECT

PROJECT MANAGER

Janani S

PROJECT NAME

COMP 6244

PROJECT STATUS

Active

PROJECT DESCRIPTION

Coursework 1

PROJECT START DATE

11/01/2018

PROJECT END DATE

11/01/2018

Project Developers

Janani Sundaresan1, Hemalatha T, Subhashini Sundaresan

Yes

No

Fig 3.5.4 – Edit Project

3.6 Login as Developer

When the user logs in as Developer, the page will display all the Projects to which the user is assigned as Developer. The Developer will not be able to create any project. The Developer will be able to edit Project Description to provide the status. The Developer will be able to search projects by their Status. The Developer can also search by typing any letter in and the portal will display results matching in anyone of the following

columns - Project Name, Current Status, Manager Name, Project Description, Project Start Date, Project End Date, Developers working in the project.

Project Management
Janani S
Logout

Create
Edit

	Name	Status	Manager	Description	Start Date	End Date	Developers
<input type="radio"/>	COMP 6244	Active	Janani S	Coursework 1	2018-11-01T00:00:00.000Z	2018-11-01T00:00:00.000Z	Janani Sundaresan1,Hemalatha T,Subhashini Sundaresan
<input type="radio"/>	567745	7547674	Janani Sundaresan1	75674	2018-11-20T05:00:00.000Z	2018-11-07T05:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Subhashini Sundaresan
<input type="radio"/>	Test	Active	Janani S	Test 1	2018-11-20T00:00:00.000Z	2018-11-29T00:00:00.000Z	Momma bachu,Janani S
<input type="radio"/>	status	Completed	Janani Sundaresan1	gdjfgkjdfgtdkl	2018-11-08T05:00:00.000Z	2018-11-08T05:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Momma bachu,Subhashini Sundaresan
<input type="radio"/>	54534	9797987	Janani Sundaresan1	79879790	2018-11-13T05:00:00.000Z	2018-11-01T04:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Subhashini Sundaresan
<input type="radio"/>	235424	fjryeiw	Momma bachu	yylyo	2018-11-06T05:00:00.000Z	2018-11-06T05:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Momma bachu,Subhashini Sundaresan
<input type="radio"/>	COMP 6244	Active	Janani S	Coursework	2018-11-01T00:00:00.000Z	2018-11-30T00:00:00.000Z	Janani Sundaresan1,Hemalatha T,Subhashini Sundaresan
<input type="radio"/>	yuliyulj	huhkhkj	Janani Sundaresan1	hkjhkj	2018-11-05T05:00:00.000Z	2018-11-07T05:00:00.000Z	Hemalatha T,Janani Sundaresan1,Janani S,Momma bachu,Subhashini Sundaresan

1

Fig 3.6.1 – Developer Page

Edit Project

EDIT PROJECT

PROJECT MANAGER

Janani S

PROJECT NAME

COMP 6244

PROJECT STATUS

Active

PROJECT DESCRIPTION

Coursework 1

PROJECT START DATE

11/01/2018

PROJECT END DATE

11/01/2018

Project Developers

Janani Sundaresan1, Hemalatha T, Subhashini Sundaresan

Yes

No

Fig 3.6.2 – Edit Page