***Resource management***

TEAM MEMBERS

R. Magesh

S. Karthika

S. Sridhar

**Requirements:**

* Allocating resources to the project.
* Calculating capacity utilization of projects and technology.
* Showing overall capacity utilization percentage**.**

**Use case Diagram:**

Number of web pages : 9

Timeline for project :

Module 1: Login and signup

10.09.2015

Login – S. Karthika

Signup – R. magesh

Creating session-s.sridhar

Module 2 : Manager page (Manager.aspx)

11.09.2015 and 14.09.2015

New Project – R.magesh

Resources, projects -S.sridhar

Add resources- S.Karthika

Module 3: project list page and dashboard

15.09.2015 and 16.09.2015

Project details – S.karthika

Resources details – R.magesh

Capacity calculation , dashboard – S.Sridhar

Module 4: page view for developers

17.09.2015

Projects – R.magesh

Project details- S.karthika

Resources details- S.sridhar

Module 1:

Signup.aspx

Login.aspx

Forget Password?

**SIGNUP**

Framework

**LOGIN**

Emp\_Name

Emp\_ID

Email\_Id

Password

Password

Confirm password

Cancel

Login

Type of tech

Technology

Role

Submit

Cancel

Module 3: Manager Page (Manager.aspx)

Projects

Resources

DashBoard

Header

Hi(name) Logout

Add new Resource

Add new project

Client

P\_id

P\_name

Technology

Capacity

Role

Emp\_name

Emp\_id

Footer

Module 3: Under project list (Project.aspx)

Project\_details

Resources\_details

Capacity calculation

Hi(name) Logout

Header

Edit

Project\_details

Technology

P\_id

Start\_date

P\_Name

Client

End\_date

Duration

SOW status

Footer

Project\_details

Resources\_details

Hi(name) Logout

Header

Footer

Resources \_Details

Edit

Id

Name

Role

Capacity

Capacity calculation

**Module 4 : For Senior/junior developers and techleads (Developers.aspx)**

Projects details

Hi(name) Logout

Header

Footer

Resources details

Technology

Client

P\_Name

P\_id

Project details for developers: (Project\_dev.aspx)

Hi(name) Logout

Header

Resources\_details

Project\_details

Status

Role

Capacity

Emp\_id

P\_id

Footer

DashBoard:

Technology

Jan

Feb

Mar

Apr

May

Jul

Jun

Aug

Sep

Oct

Nov

Dec

Utilized Cap

Ideal capacit

Percentage

Add New Resource Admin page

Remove Manager

Add Manager

Remove resource

Add Resource

ListBox

ListBox

ListBox

ListBox

Role

Remove a Manager

Add As a Manager

Remove Resource

Add Resource

Add New Project:

Resources :

**New Project**

Project Name

Client Name

Technology

Duration

Technology

Start Date

End Date

Techlead

Sen\_dev

Jun\_dev

Capacity of jun\_dev

Capacity of sen\_dev

Capacity of Tech\_lead

File Upload

SOW

Submit

Cancel

**Capacity Calculation**

DATE

Project start date

Date

Date selected

Capcity calculated

Capacity(Based on date selection)

**Database Schemas:**

|  |
| --- |
| Employee\_details |
| Emp\_id : BigInt **(primary key)**  Emp\_name : nvarchar(MAX)  password : nvarchar(MAX)  Role : nvarchar(MAX)  Technology : nvarchar(50)  Manager\_id : BigInt  Email\_id : nvarchar(MAX)  Resigned : SmallInt  Man\_Flag : SmallInt  Org\_capacity: Bigint  Bal\_capacity : BigInt |
| Insert()  Update() |

|  |
| --- |
| **Project\_Resources** |
| P\_id : BigInt (**Foreign Key)**  Emp\_id : BigInt (**Foreign Key)**  Role : nvarchar(MAX)  Capacity : BigInt  Status : SmallInt  Rem\_date : date  Flag : SmallInt |
| Insert()  Update() |

|  |
| --- |
| project\_details |
| P\_id :Int **(primary key)**  P\_name : nvarchar(MAX)  Client : nvarchar(MAX)  technology : nvarchar(MAX)  Duration : BigInt  start\_date : date  end\_date : date  Manager\_Id : BigInt  Total\_capacity : BigInt  Project\_id : nvarchar(MAX)  Flag : SmallInt  SOW : VarBinary(MAX)  SOW\_status : smallint |
| Insert()  Update() |

|  |
| --- |
| Project\_capacity |
| p\_id :nvarchar(Max)**(foreign key)**  Start\_date : date  End\_date : date  Total\_capacity : BigInt  Technology : nvarchar(Max)  Capacity\_till\_today : BigInt  Flag : SmallInt |
| Insert()  Update() |

|  |
| --- |
| Employee\_Leave |
| Emp\_id :BigInt **(foreign key)**  Date :date  Description : nvarchar(Max) |
| Insert()  Update() |

|  |
| --- |
| Leave\_Calendar |
| Date : Date  Description : nvarchar(Max) |
| Insert() |