***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 : 7

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

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

Select Employees

ListBox

Add Employees

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

**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  Flag : SmallInt |
| 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() |