Use cases

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1 USE CASES FOR A GENERAL SOFTWARE DEVELOPMENT PROJECT

1.1 Making WBS

Precondition: The user has already created the SOW.

1.2 GOAL:-

To create the Work Breakdown Structure

1.3 ACTORS:-

Initiates some actions, or it receives some values
1. User of the System.
2. The database(Which gets updates)

1.4 SCENERIO:-

of How we execute the business process.
Typical scenerio:
1. The USER(PM) logs into our application'
2.[Optional user id/Password].
3.From Main Screen: They click on open project button on the UI FORM(Webpage).
4. The user clicks the existing project to open the SOW for that project.
3. The user clicks on the UI FORM(Webpage) to create/modify the WBS(Probably as a tree in HTML).

1.5 Making Resources calendar

Precondition: The user has already created the SOW and WBS.

1.6 GOAL:-

To Make a resource calendar

1.7 ACTORS:-

1. Business Analyst.
2. The database(Which gets updates)

1.8 SCENERIO:-

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Typical scenerio:
1. The Business Analyst logs into our application'
2.Enters username and password to access the Webpage.
3. From Main Screen: They click on/call up the UI FORM(Webpage) to access the WBS to know which resources are needed and when.
4. User can modify/Comment or change the resources availability.
5. (Optional): The User may enter resource information and assign Resource to tasks.
6. User can remove the resources.

1.9 Assigning The tasks to resources

Precondition: The user has already created the SOW and WBS and the resource calendar.

1.10 GOAL:-

To assign the tasks to the resources.

1.11 ACTORS:-

1. Human Resources manager
2. The database(Which gets updates)

1.12 SCENERIO:-

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Typical scenerio:
1. The HR manager logs into our application'
2.Enters username and password to access the Webpage.
3. From Main Screen: click on/call up the UI FORM(Webpage) to access the WBS to know which resources are needed and when.
4. From Main Screen: click on Resource calendar to check the availability of resources.
5. User accesses the tasks and check the available resources for that and assign the most appropriate one.
6. User can modify the allocation of resources that are assigned already.

1.13 UMLs

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1.14 UML for use case: 1

1.15 Name:

Work Breakdown Structure

1.16 Data Members

This would be a database object not a javaScript object so there would be no data member but fields and records.

1.17 Behaviour

Database updation and storage

1.18 UML for use case: 2

1.19 Name:

Resource Calendar

1.20 Data Members

This would be a database object not a javaScript object so there would be no data member but fields and records. like: Resource name, Role, Contact info, Availability, days worked

1.21 Behaviour

Database updation and storage

1.22 UML for use case: 3

1.23 Name:

Task Assignment

1.24 Data Members

Resource calendar
Task
No of resources

1.25 Behaviour

Checking-Availability()
Assigning-the-task()
Modify-Availability()

1.26 Details

will check the available resources for the task and then assign the resource to a task
after assignment the availability of resource in resource calendar would be modified so that no conflicts occur in resource calendar