CPM Scheduling Manual

Table of Contents

Description

For the Project Manager who wishes to use the CPM methodology to manage her team

1.0 Creating your Project : User Story and its Subtasks

1.1 Enabling CPM Scheduling

After logging in as administrator and on the Main Menu click on the link:

<u>1) Program Setup page</u>

Select CPM Scheduled Project then check the Show CPM Functions tick-box and press Save
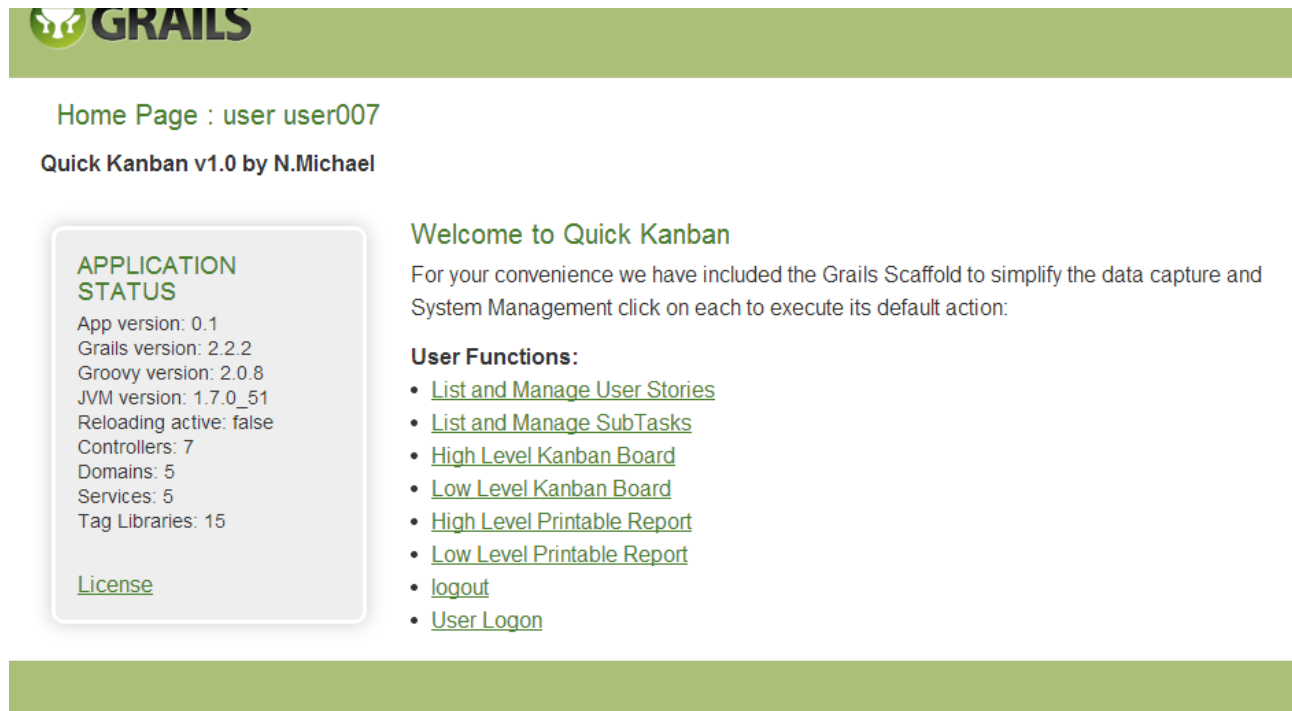
1.2 Creating the User Story (Project)

After logging with the default User Name and password this screen will appear
Click on the link "List and Manage User Stories" (under User Functions)

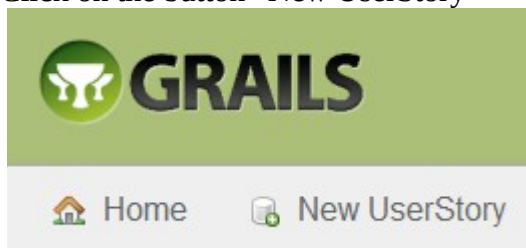On the Main Menu click on the link:

1) Add a User Story

Click on the button "New UserStory"

Fill in the details of your UserStory like this :

Create UserStory

User Story Id * `SHORT DESCRIPTION`

Description * `Detailed description goes here`

User Requesting * `NOT_ASSIGNED:NOT_ASSIGNED ▼`

State * `UNASIGNED ▼`

Date State Changed * `22 ▼` `March ▼` `2014 ▼`

Priority * `0`

Create

Press the create button
Repeat this to capture all required user Stories

Press the "Home button" to return to the home page

GRAILS

Home   UserStory List
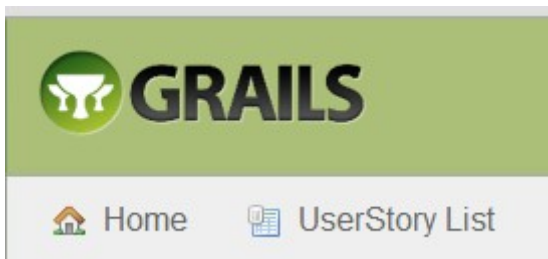
1.3 Creating Sub-tasks for the User Story

After logging with the default User Name and password this screen will appear

Click on the link "List and Manage SubTasks" (under User Functions)

You must check the "Is Disabled" check-box

And press the "Create Button"

Fill in the details of the Subtask and Select the UserStory:

Press the create button to save your Subtask

Press the "Home button" to return to the home page
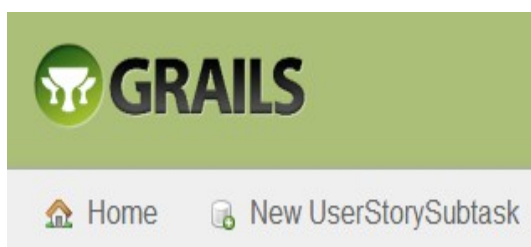
2.0 Creating the Schedule

2.1 Add and Link Subtasks to the Schedule

On the Main Menu click on the link:

4) Add and Link SubTasks to Schedule

Type the Node Id number and select the Subtask from the drop-down list and press the Create button

Repeat this until you have created nodes and linked all your subtasks to them

Then click the link :

Add and Link CPM Nodes in network

2.2 Add and Link CPM Nodes to Network

After creating all your Nodes as in section 2.1 click the link on that page :
Add and Link CPM Nodes in network

Select the Node ID you wish to link and select the first of its immediate next nodes press the Create
button to make the link on the Network

Then select the same Node ID again and select the next of its immediate next nodes press the Create
button to make the link on the Network

Repeat this until all the Nodes in Network have been linked to all their immediate next nodes

When all the last nodes are linked to the LAST NODE this program will automatically calculate the
Earliest Start Date, Earliest Finish Date, Latest Start Date, Latest Finish Date and find the Critical
Path Nodes

Below the list of Nodes you will find a list of Critical Path Nodes

Critical Path

NODE ID	SUBTASK ID	DURATION	EARLIEST FINISH	LATEST FINISH
2	SUBTASK_2_1	4	4	4
3	SUBTASK_3_1	6	8	8
5	SUBTASK_5_1	10	14	14
7	SUBTASK_7_1	14	22	22
9	SUBTASK_9_1	18	32	32
11	SUBTASK_11_1	22	54	54

3.0 Listing the Schedule

3.2 Listing the Schedule Network Nodes

On the Main Menu click on the link:

<u>6) List CPM Nodes</u>

GRAILS

List Schedule Nodes | user : nickm
Quick Kanban v1.0 by N.Michael

Home Page

NODE	NEXT NODE	DURATION	EARLIEST START	EARLIEST FINISH D	LATEST START	LATEST FINISH	SLACK
START	1	0	0	0	0	0	0
START	2	0	0	0	0	0	0
1	3	2	0	2	2	4	2
1	4	2	0	2	2	4	2
2	4	4	0	4	0	4	0
2	5	4	0	4	0	4	0
3	6	6	2	8	2	8	0
3	7	6	2	8	2	8	0

3.3 Listing the Critical Path Nodes

On the Main Menu click on the link:

7) List Critical Path Nodes

Critical Path

NODE ID	SUBTASK ID	DURATION	EARLIEST FINISH	LATEST FINISH
2	SUBTASK_2_1	4	4	4
3	SUBTASK_3_1	6	8	8
5	SUBTASK_5_1	10	14	14
7	SUBTASK_7_1	14	22	22
9	SUBTASK_9_1	18	32	32
11	SUBTASK_11_1	22	54	54

3.4 Listing the Project Time Table

On the Main Menu click on the link:

8) List Time table

The Critical Path Subtasks have their durations in **[square brackets]**

GRAILS

Project Time Table   nickm   Thu May 01 18:29:42 CAT 2014

Quick Kanban v1.0 by N.Michael

Home Page

User Story : Unassigned
Description : Blank Story
Project Start Date : 2014-05-01 14:55:57.0

NODE ID	SUBTASK ID	DURATION	EARLIEST START DATE	LATEST END DATE
1	SUBTASK_1_1	2	2014-05-01	2014-05-05
2	SUBTASK_2_1	**[4]**	2014-05-01	2014-05-05
3	SUBTASK_3_1	**[6]**	2014-05-03	2014-05-09
4	SUBTASK_4_1	8	2014-05-05	2014-05-15
5	SUBTASK_5_1	**[10]**	2014-05-05	2014-05-15
6	SUBTASK_6_1	12	2014-05-09	2014-05-23
7	SUBTASK_7_1	**[14]**	2014-05-09	2014-05-23