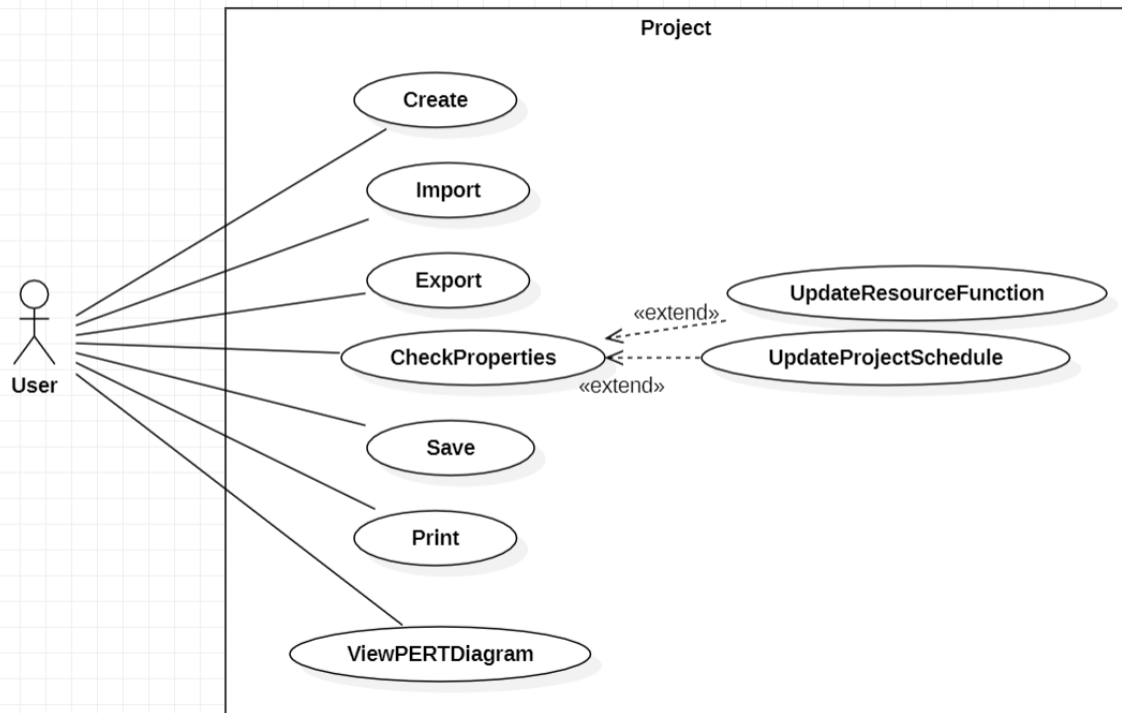


Use cases

Use case 1 - Project



Use case: CreateProject
ID: 1
Brief description: The User creates a new project in the application.
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.
Main flow: <ol style="list-style-type: none">1. The use case starts when the User selects the option “New” in the Project menu or using the “CTRL + N” shortcut.2. The User inserts the name and optional additional information in the system.3. The system validates the inserted data.4. The system creates a new project for the User.
Postconditions: <ol style="list-style-type: none">1. A new project is created
Alternative flows:

1. CreateProject:Cancel

Alternative Flow: CreateProject:Cancel
--

ID: 1.1

Brief description:

The system does not alter its state and the project is not created.

Primary Actors:

User.

Secondary Actors:

None.

Preconditions:

The User is in the project creation process.
--

Alternative flow:

- | |
|---|
| <ol style="list-style-type: none">1. The alternative flow begins at any time.2. The User cancels the project creation process. |
|---|

Postconditions:

- | |
|---|
| <ol style="list-style-type: none">1. A new project has not been created for the User. |
|---|

Use case: ImportProject

ID: 2

Brief description:

The User imports a project to the application.
--

Primary Actors:

User.

Secondary Actors:

None.

Preconditions:

None.

Main flow:

- | |
|--|
| <ol style="list-style-type: none">1. The use case starts when the User selects the option "Import" in the Project menu.2. The User selects the format of the file being imported.3. The User inserts the directory of the data to be imported.4. The system validates the inserted data.5. The system imports the specified project. |
|--|

Postconditions:

- | |
|--|
| <ol style="list-style-type: none">1. A project was imported. |
|--|

Alternative flows:

2.1 ImportProject:Cancel 2.2 ImportProject:WrongFileFormat

Alternative Flow: ImportProject:Cancel
ID: 2.1
Brief description: The User cancels the project import process.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User is in the project importation process
Alternative flow: 1. The alternative flow begins at any time. 2. The User cancels the project import process.
Postconditions: 1. A new project has not been imported for the User.

Alternative Flow: ImportProject:WrongFileFormat
ID: 2.2
Brief description: The system does not alter its state and does not import the File as it was in the wrong format.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User is in the project importation process
Alternative flow: 1. The alternative flow begins in step 3 of the ImportProject use case. 2. The system does not alter its state. The import action has no effect.
Postconditions: None

Use case: ExportProject
ID: 3
Brief description: The User exports the Gantt project that is open in the application at that time
Primary Actors: User.
Secondary Actors: None.
Preconditions:
Main flow: 1. The User selects the "Export" in the Project menu. 2. The User inserts the export format of the project. 3. The User chooses the directory to export the file and completes additional information. 4. The System validates the information. 5. The System saves the project in the location chosen by the User.
Postconditions: None.
Alternative flows: 3.1 ExportProject:Cancel

Alternative Flow: ExportProject:Cancel
ID: 3.1
Brief description: The User cancels the project export process.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User is in the project export process.
Alternative flow:

<ol style="list-style-type: none"> 1. This alternative flow begins at any time. 2. The User cancels the project export process.
Postconditions: The project is not exported.

Use case: CheckProjectProperties
ID: 4
Brief description: The User views the properties of the project.
Primary Actors: User.
Secondary Actors: None.
Preconditions:
Main flow: <ol style="list-style-type: none"> 1. The User selects "Properties" in the Project menu. 2. The System opens the properties menu for the User. 3. If the User selects resource function option: <ol style="list-style-type: none"> 3.1 Include(CreateResourceFunction) 4. If the User selects project schedule option: <ol style="list-style-type: none"> 4.1 Include(UpdateProjectSchedule)
Postconditions: The project properties menu is opened to the User
Alternative flows: 4.1 CheckProjectProperties:Close

Alternative Flow : CheckProjectProperties:Close
ID: 4.1
Brief description: The User exits the project properties menu.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User is viewing the project properties menu.

Alternative flow:

1. This alternative flow begins at any time.
2. The User closes the project properties menu.

Postconditions:

The project properties menu is closed to the User.

Use case: UpdateResourceFunction

ID: 5

Brief description:

The User views the resource function menu and may add or delete new functions.

Primary Actors:

User.

Secondary Actors:

None.

Preconditions: The User selects the resource functions option.

Main flow:

1. The System opens the project resource functions menu.
2. If the User selects the add option:
 - 2.1 The User inserts the name of the function to be inserted.
 - 2.2 The System validates the name.
 - 2.3 The resource function is added to the System.
3. If the User selects the delete option:
 - 3.1 The currently selected resource function is deleted from the system.

Postconditions:

The project resource functions may be altered.

Alternative flows:

4.1 CheckProjectProperties:Close

Use case: UpdateProjectSchedule

ID: 6

Brief description:

The User views the project schedule menu and may alter its start date, weekends and holidays.

Primary Actors:

User.

Secondary Actors:

None.
Preconditions: The User selects the project calendar option.
Main flow: <ol style="list-style-type: none"> If the User ticks a new day of the week: <ol style="list-style-type: none"> The System adds that day as a holiday. If the User unticks a ticked day of the week: <ol style="list-style-type: none"> The System removes that day as a holiday. If the User selects the choose holiday calendar option: <ol style="list-style-type: none"> The User selects the desired holiday calendar. The system adopts the selected holiday calendar as the project's own holiday calendar. If the User selects the holiday menu: <ol style="list-style-type: none"> If the User inserts a specified date and additional optional information: <ol style="list-style-type: none"> The System validates the data. The holiday is added to the System. If the User selects the remove option: <ol style="list-style-type: none"> The currently selected holiday is removed from the System.
Postconditions: The project schedule may be altered.
Alternative flows: 4.1 CheckProjectProperties:Close

Use case: SaveProject
ID: 7
Brief description: The User saves the current state of the project.
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.
Main flow: <ol style="list-style-type: none"> The User selects the "Save" option in the project menu or uses the available shortcuts. The System opens the file system explorer to the User. The User inserts the save directory and the desired save name for the project. The System validates the data. The System saves the project according to the desired specifications.

Postconditions: The project is saved.
--

Alternative flows: 7.1 SaveProjectCancel

Alternative Flow: SaveProject:Cancel

ID: 7.1

Brief description: The User cancels the save project process.
--

Primary Actors: User.

Secondary Actors: None.

Preconditions: The User is in the save process.

Alternative flow: 1. This alternative flow may begin at any time. 2. The User selects the cancel option in the file explorer menu.
--

Postconditions: The project is not saved.
--

Use case: PrintProject

ID: 8

Brief description: The User prints the Gantt project.
--

Primary Actors: User.

Secondary Actors: None.

Preconditions: None.

Main flow: 1. The User selects "Print" in the Project menu. 2. The System opens the print menu.

<ol style="list-style-type: none"> 3. The User inserts the desired print settings 4. The System validates the input. 5. The System sends the data to the selected printer. 6. The printer prints the Gantt project.
Postconditions: The project is printed.
Alternative flows: 8.1 PrintProject:Cancel

Alternative Flow: PrintProject:Cancel
ID: 8.1
Brief description: The User cancels the project print process.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User is in the print process.
Alternative flow: <ol style="list-style-type: none"> 1. This alternative flow may begin at any time. 2. The User selects the cancel option in the print menu.
Postconditions: The project is not printed.

Use case: ViewPERTDiagram
ID: 9
Brief description: The User views the PERT Diagram.
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.

Main flow:

1. The User selects “View PERT diagram” in the View menu.
2. The System shows the PERT Diagram to the User.

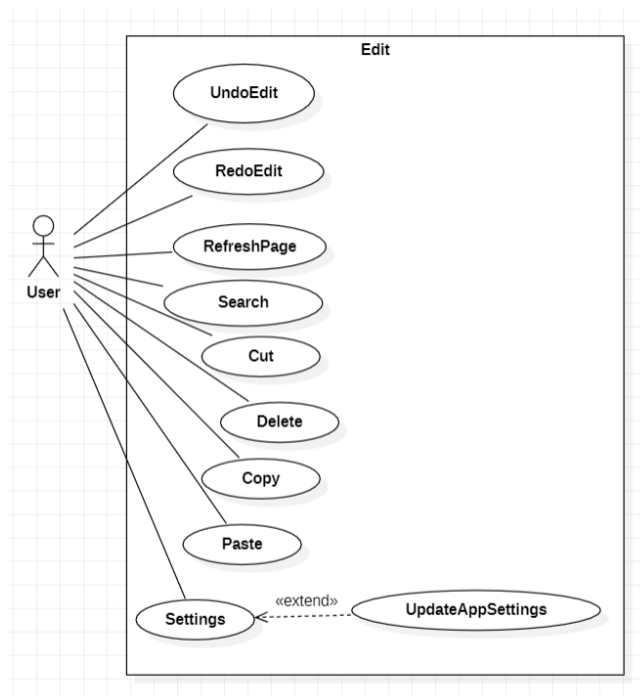
Postconditions:

The PERT Diagram is opened.

Alternative flows:

None.

Use case 2 - Edit



Use case: UndoEdit

ID: 10

Brief description:

Reverses the last action made by the User in the application.

Primary Actors:

User.

Secondary Actors:

None.

Preconditions: A change in the application was made by the User.

Main flow:

1. The use case begins when the User selects “Undo” in the Edit menu or using the “CTRL + Z” shortcut.

2. The action made is undone.
Postconditions: The system goes back into the previous state.
Alternative flows: None.

Use case: RedoEdit
ID: 11
Brief description: Reverses the last Undo.
Primary Actors: User.
Secondary Actors: None.
Preconditions: 1. The User has undone an action (UndoEdit).
Main flow: 1. The use case begins when the User selects “Redo” in the Edit menu or using the “CTRL + Y” shortcut. 2. The action made is redone.
Postconditions: The system goes back into the state before the Undo.
Alternative flows: None.

Use case: RefreshPage
ID: 12
Brief description: The system reloads and updates what it is being displayed for the User.
Primary Actors: User.
Secondary Actors: None.
Preconditions: None

Main flow:

1. The use case begins when the User selects “Refresh” in the Edit menu or using the “F5” shortcut.
2. The system reloads and updates.
3. The content displayed to the User is now up to date.

Postconditions:

The system goes back into the previous state.

Alternative flows:

None.

Use case: Search

ID: 13

Brief description:

The User searches for a Task or a Resource in the application

Primary Actors:

User.

Secondary Actors:

None.

Preconditions:

None

Main flow:

1. The use case begins when the User selects “Search” in the Edit menu or using the “CTRL + F” shortcut or even using the Search bar at upper right corner.
2. The user introduces what he's looking for.
3. The system searches for content asked by the User.
4. The Task(s) or/and Resource(s) that match with the User search will appear underneath the search bar.

Postconditions:

None.

Alternative flows:

SearchNotFound

Alternative flow: Search: SearchNotFound

ID: 14

Brief description:

The system does not found the content searched by the User
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User has made a search.
Alternative flow: <ol style="list-style-type: none"> 1. The use case begins after step 3 of the main flow. 2. The system does not find what the User was looking for. 3. A message saying "No Results" is displayed for the User.
Postconditions: None.

Use case: Cut
ID: //TODO
Brief description: The User cuts a Task or Resource in the application.
Primary Actors: User.
Secondary Actors: None.
Preconditions: <ol style="list-style-type: none"> 1. There is at least one task or resource selected.
Main flow: <ol style="list-style-type: none"> 1. The use case begins when the User selects "Cut" in the Edit menu or using the "CTRL +X" shortcut or even using the scissors icon displayed. 2. The content selected by the User is cut and saved to be possibly pasted afterwards.
Postconditions: <ol style="list-style-type: none"> 1. The Resource or Task chosen by the User is no longer displayed.
Alternative flows: None.

Use case: Delete
ID: 15
Brief description: The system deletes the Resource or Task selected by the User.

Primary Actors: User.
Secondary Actors: None.
Preconditions: 1. There is at least one task or resource selected.
Main flow: 1. The use case begins when the User selects the X icon displayed in the upper side of the screen. 2. The content selected by the User is deleted from the system.
Postconditions: 1. The Resource or Task chosen by the User is no longer displayed.
Alternative flows: None.

Use case: Copy
ID: 16
Brief description: The User copies a Task or Resource in the application.
Primary Actors: User.
Secondary Actors: None.
Preconditions: 1. There is at least one task or resource selected.
Main flow: 1. The use case begins when the User selects "Copy" in the Edit menu or using the "CTRL +C" shortcut or even using the copy icon displayed. 2. The content selected by the User is copied and saved to be possibly pasted afterwards.
Postconditions: 1. The Resource or Task chosen by the User is saved in the system.
Alternative flows: None.

Use case: Paste
ID: 17

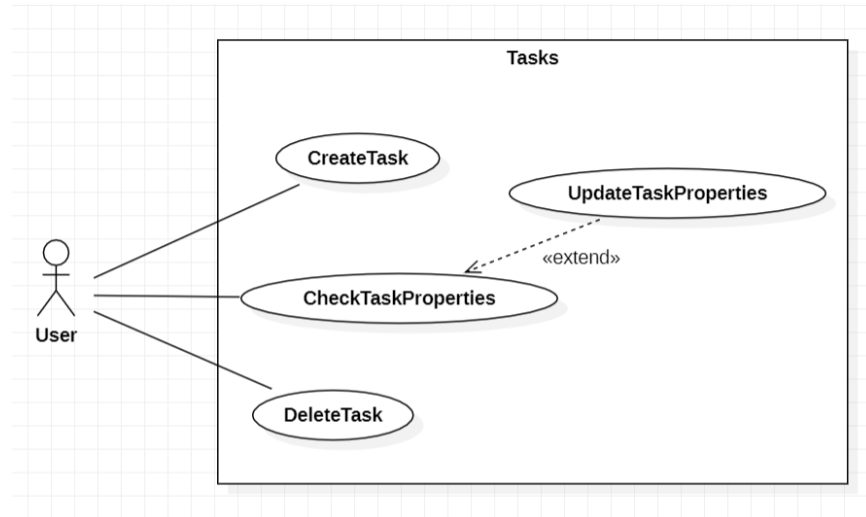
Brief description: The User pastes a Task or Resource saved in the application.
Primary Actors: User.
Secondary Actors: None.
Preconditions: 1. There is at least one task or resource saved in the application by a cut or copy action made by the User.
Main flow: 1. The use case begins when the User selects "Paste" in the Edit menu or using the "CTRL +V" shortcut or even using the paste icon displayed. 2. The content saved in the system is pasted and displayed to the User.
Postconditions: 1. The Resource or Task chosen saved in the system is displayed.
Alternative flows: None.

Use case: Settings
ID: 18
Brief description: The User views the application settings
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.
Main flow: 1. The Use Case begins when the User selects "Settings" in Edit menu or using the "CTRL +G" shortcut 2. The application settings are displayed for the User in a pop up. 3. Extends(UpdateAppSettings).
Postconditions: The settings may or may not be changed.
Alternative flows: None.

Use case: UpdateAppSettings
ID: 19
Brief description: The User updates the application settings
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.
Main flow: <ol style="list-style-type: none"> 1. The use case begins at the third step of Settings 2. The User updates the application settings
Postconditions: The settings of the application are changed.
Alternative flows: 19.1 Cancel

Alternative Flow: UpdateAppSettings:Cancel
ID: 19,1
Brief description: The system does not alter its state and the settings remain the same.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User is in the Settings pop up.
Alternative flow: <ol style="list-style-type: none"> 1. The alternative flow begins at any time. 2. The User cancels the change of settings.
Postconditions: <ol style="list-style-type: none"> 1. The application settings remain the same.

case 3 - Tasks



Use case: CreateTask
ID: 20
Brief description: The User creates a new task.
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.
Main flow: 1. The User selects "New Task" or uses the "CTRL + T" shortcut. 2. The System creates a new task.
Postconditions: A new task is created.
Alternative flows: None.

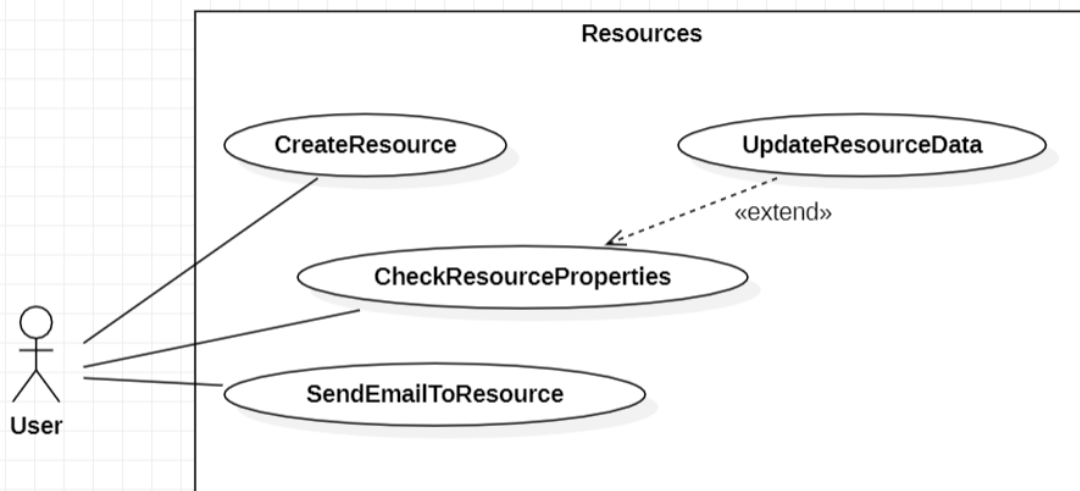
Use case: CheckTaskProperties
ID: 21
Brief description: The User checks the properties of a selected task.
Primary Actors: User.
Secondary Actors: None.
Preconditions: There is at least one task registered in the System.
Main flow: 1. The User selects "Task Properties" in the Tasks menu . 2. The System opens the task properties menu. 3. Extend(UpdateTaskProperties)
Postconditions: The project task properties menu is opened.
Alternative flows: 21.1 CheckTaskProperties:Cancel

Alternative Flow: CheckTaskProperties:Close
ID: 21.1
Brief description: The User closes the resource properties menu.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The task properties menu is open.
Alternative Flow: 1. This alternative Flow may begin at any time. 2. The User selects the close option in the task properties menu. 3. The System closes the task properties menu.
Postconditions: The task properties menu is closed.

Use case: UpdateTaskProperties
ID: 22
Brief description: The User updates the selected task properties.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User has the task properties menu open.
Main flow: 1. The User alters the task properties. 2. The System validates the new properties. 3. The System changes task properties according to the specifications.
Postconditions: The task properties are altered.
Alternative flows: 22.1 CheckTaskProperties:Close

Alternative flows:

Use case 4 - Resources



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Use case: CreateResource
ID: 23
Brief description: The User creates a new resource.
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.
Main flow: <ol style="list-style-type: none"> 1. The User selects “New Resource” in the Resources menu or uses the “CTRL+H” shortcut. 2. The System creates a new resource.
Postconditions: A new resource is created.
Alternative flows: 23.1 SaveProject:Cancel

Alternative Flow: CreateResource:Cancel
ID: 23.1

Brief description: The User cancels the resource creation process.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User is in the resource creation process.
Alternative flow: <ol style="list-style-type: none"> 1. This alternative flow may begin at any time. 2. The User selects the close option in the resource creation menu.
Postconditions: The resource is not created.

Use case: CheckResourceProperties
ID: 24
Brief description: The User checks the properties of a selected resource.
Primary Actors: User.
Secondary Actors: None.
Preconditions: There is at least a resource registered in the System.
Main flow: <ol style="list-style-type: none"> 1. The User selects "Properties" in the Resources menu or uses the "CTRL+Enter" shortcut. 2. The System opens a menu with details about the property. 3. Extend(UpdateResourceData)
Postconditions: The project properties menu is opened.
Alternative flows: 24.1 CheckResourceProperties:Cancel

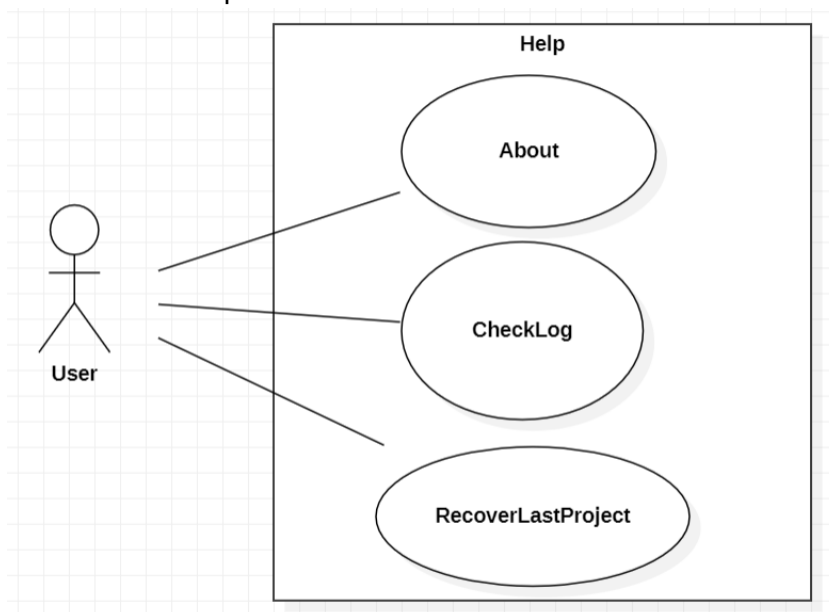
Alternative Flow: CheckResourceProperties:Close

ID: 24.1
Brief description: The User closes the resource properties menu.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The resource properties menu is open.
Alternative Flow: <ul style="list-style-type: none"> 1. This alternative Flow may begin at any time. 2. The User selects the close option in the resource properties menu. 3. The System closes the resource properties menu.
Postconditions: The resource properties menu is closed.

Use case: UpdateResourceData
ID: 25
Brief description: The User updates the selected resource data.
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User has the resource properties menu open.
Main flow: <ul style="list-style-type: none"> 1. The User alters the resource properties. 2. The System validates the new properties. 3. The System changes resource properties according to the specifications.
Postconditions: The resource properties are altered.
Alternative flows: 25.1 CheckResourceProperties:Close

Use case: SendEmailToResource
ID: 26
Brief description: The User sends an email to the selected resource.
Primary Actors: User.
Secondary Actors: None.
Preconditions: There is at least one resource registered in the System.
Main flow: <ol style="list-style-type: none"> 1. The User selects a resource. 2. The User selects "Send an email" in the Resources menu. 3. The System opens the email application with an open draft to the email of the specified resource.
Postconditions: The application opens the email application.
Alternative flows: None.

Use case 5 - Help



Use case: About
ID: 27
Brief description: The system displays information about the application for the User.
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.
Main flow: <ol style="list-style-type: none"> 1. The use case begins when the User selects "About" in the Help menu. 2. The system displays a pop up with relevant information of the application for the User.
Postconditions: <ol style="list-style-type: none"> 1. The system has displayed the application details
Alternative flows: None.

Use case: CheckLog
ID: 28
Brief description: The system displays information about access logs for the User.
Primary Actors: User.
Secondary Actors: None.
Preconditions: None.
Main flow: <ol style="list-style-type: none"> 1. The use case begins when the User selects "View Log" in the Help menu. 2. The system displays a pop up with the log information for the User.
Postconditions: <ol style="list-style-type: none"> 1. The system has displayed the log details

Alternative flows:
None.

Use case: RecoverLastProject

ID: 29

Brief description:
The system recovers a project not saved.

Primary Actors:
User.

Secondary Actors:
None.

Preconditions:
None.

Main flow:

1. The use case begins when the User selects "Recover" in the Help menu.
2. The system displays a pop up with information about the project to be recovered
3. The project is recovered

Postconditions:

1. The system has recovered the project

Alternative flows:
29.1 Skip
29.2 Close

Alternative flow: RecoverLastProject: Skip

ID: 29.1

Brief description:
The system skips the project displayed and shows the previous autosave to the User

Primary Actors:
User.

Secondary Actors:
None.

Preconditions:
The User has entered "Skip" in the Recover pop up.

Alternative flow:

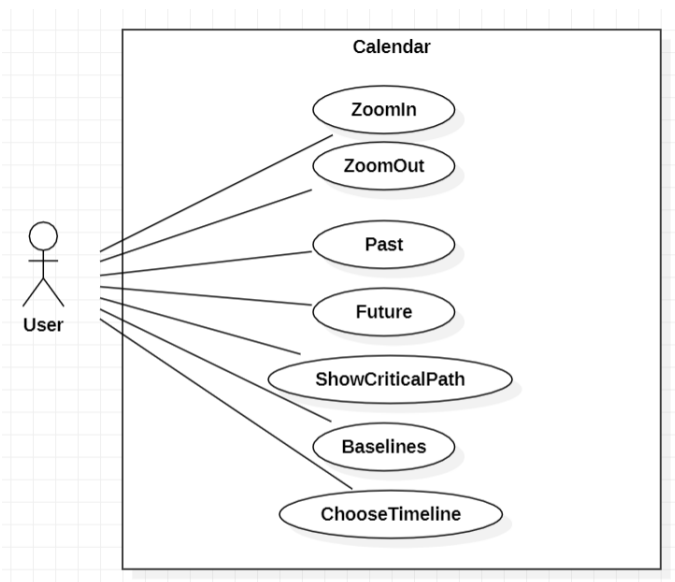
1. The use case begins when the User selects "Skip" in the Recover pop up.
2. The system skips the project displayed and jumps into the previous autosave

Postconditions:

1. The system skips the project.

Alternative flow: RecoverLastProject: Close
ID: 29.2
Brief description: The system closes the Recover pop up
Primary Actors: User.
Secondary Actors: None.
Preconditions: The User has selected "Close" in the Recover pop up.
Alternative flow: 4. The use case begins when the User selects "Close" in the Recover pop up. 5. The system closes the pop up.
Postconditions: 1. The pop up is closed.

Use case 6 - Calendar



Use case: ZoomIn
ID: 30
Brief description: The system zooms in the calendar of the Gantt
Primary Actors: User.

Secondary Actors: None.
Preconditions: 1. Zoom in is not maxed.
Main flow: 1. The use case begins when the User selects “Zoom In” in the Gantt Calendar. 2. The system zooms in the calendar of the Gantt.
Postconditions: 1. The system has zoomed in the calendar.
Alternative flows: None.

Use case: ZoomOut
ID: 31
Brief description: The system zooms out the calendar of the Gantt
Primary Actors: User.
Secondary Actors: None.
Preconditions: 1. Zoom out is not maxed.
Main flow: 1. The use case begins when the User selects “Zoom Out” in the Gantt Calendar. 2. The system zooms in the calendar of the Gantt.
Postconditions: 1. The system has zoomed out the calendar.
Alternative flows: None.

Use case: Past

ID: 32
Brief description: The system recedes the Gantt calendar in time
Primary Actors: User.
Secondary Actors: None.
Preconditions: None
Main flow: <ol style="list-style-type: none"> 1. The use case begins when the User selects "Past" in the Gantt Calendar. 2. The Gantt calendar recedes in time depending on the Zoom (could be months or weeks, for example).
Postconditions: <ol style="list-style-type: none"> 1. Time has receded (days, weeks or months, for example).
Alternative flows: None.

Use case: Future
ID: 33
Brief description: The system furthers the Gantt calendar in time
Primary Actors: User.
Secondary Actors: None.
Preconditions: None
Main flow: <ol style="list-style-type: none"> 1. The use case begins when the User selects "Future" in the Gantt Calendar. 2. The Gantt calendar advances in time depending on the Zoom (could be weeks or months, for example).
Postconditions: <ol style="list-style-type: none"> 1. Time has advanced (days, weeks or months, for example).
Alternative flows: None.

Use case: ChooseTimeline

ID: 34
Brief description: The system changes the way time is displayed
Primary Actors: User.
Secondary Actors: None.
Preconditions: None
Main flow: <ol style="list-style-type: none"> 1. The use case begins when the User selects the arrow going down in the Gantt calendar. 2. The user chooses one of four options to display time. <ol style="list-style-type: none"> 2.1. Project start. 2.2. Today. 2.3. Project end. 2.4. Selection 3. The way time is displayed is changed according to the User choice
Postconditions: <ol style="list-style-type: none"> 1. Time is displayed according to the User choice.
Alternative flows: None.

Use case: ShowCriticalPath
ID: 35
Brief description: The system shows the critical path to the User.
Primary Actors: User.
Secondary Actors: None.
Preconditions: <ol style="list-style-type: none"> 2. There has to be at least one task.
Main flow: <ol style="list-style-type: none"> 3. The use case begins when the User selects "Show Critical Path" in the Gantt Calendar. 4. The system displays the critical path in the Gantt Calendar
Postconditions: <ol style="list-style-type: none"> 1. The critical path is displayed in the Gantt Calendar

Alternative flows:
None.

Use case: Baselines

ID: 36

Brief description:
The system lets the User update the baselines in the Gantt calendar.

Primary Actors:
User.

Secondary Actors:
None.

Preconditions:
None

Main flow:
1. The use case begins when the User selects "Baselines" in the Gantt Calendar.
2. The user updates the baselines.

Postconditions:
1. Baselines are updated in the Gantt calendar according to the User choices

Alternative flows:
None.