

**NANYANG
TECHNOLOGICAL
UNIVERSITY**

CZ2004 HUMAN COMPUTER INTERACTION

LAB Deliverables : Lo-Fi Prototype

LAB GROUP : SS3

Sam Jian Shen (U1821296L)

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**School of Computer Science and Engineering
Nanyang Technological University**

The diagram illustrates a 'Planner Page' application with the following annotations:

- Icons:** A legend indicates that icons with yellow circles (e.g., 1, 2, 3, 4, 5, 6, 7, 8, 9) represent enabled versions, while those without (e.g., 10, 11, 12, 13, 14, 15, 16, 17, 18, 19) represent disabled versions subject to user access rights.
- Planner Page:** Shows a card titled "Garden by the Bay".
- Create Plan:** A translucent window titled "Create Plan".
- Create Planner Page:** A window titled "Create Planner Page".
- Title Bar:** Shows "Title".
- Toolbars:** Includes "Sort Function" and "Edit" buttons.
- Right-click Menus:** Annotations show right-clicks on cards (e.g., "SAM Level", "Ferry") and buttons (e.g., "ADD", "Help").
- When hover over:** Annotations show hovering over cards ("Sentosa Camp", "Ferry") and buttons ("ADD", "Help").
- When hover enlarged & highlight:** An annotation shows hovering over a button ("Edit") which enlarges and highlights.
- Left-click:** An annotation shows a left-click on the "Create Plan" window.
- Enabled version:** An annotation points to an icon with a yellow circle.
- Disabled version:** An annotation points to an icon without a yellow circle.
- Mouse Hover:** An annotation points to the "Edit" button when it changes state upon mouse hover.
- Expand:** An annotation points to a "Expand" button.
- Drag and Drop:** An annotation points to a card labeled "Sentosa Camp".
- Days remain before due:** An annotation points to a "Ferry" card showing "DUE: X day".
- Frame border changed:** An annotation points to the "Help" button.
- far from due plans:** An annotation points to an "Empty space" area.
- near due plans:** An annotation points to a card labeled "Garden by the Bay".
- Assumptions:**
 - (A) Users have registered the application.
 - (B) Users have login which lead to "Planner Page".
 - (C) All UI are optimized to catered for wider audience across all platform. Such as tablet, mobile, desktop.
 - (D) In this exercise, will be focus on desktop version only.
 - (E) Right-Click should show all available functions in that particular UI.

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Annotation:

- ① A plan with title and "theme" thumbnail display.
Sizing: Max 9^{Plans} are visible on the screen.
 - ② Click to create a plan.
 - ③ "Help" icon; serve as a guidelines or explanatory.
 - ④ "Dispose" Icon, dispose any module for the particular UI.
 - ⑤ User Profile Icon, provides other feature as shown in highlight.
 - ⑥ Hierarchy / Organization View - Drag & Drop style when modify.
 - ⑦ "Edit" Icon, to edit the module Click again to switch mode.
 - ⑧ "Add" Icon, to add a new module.
 - "Create Planner Page", it offer more features as shown in the highlight section.
 - ⑨ A textbox; Limited up to 20 characters, to prevent information overflow.
 - ⑩ Scroll Bar. it support different views depend.
 - ⑪ Activity; is to keep track of all actions in the planner on User's needs (con't Page 2)

Page 2 Annotation from Page 1:

- ⑫ Settings. Such as font size, actions like sound enable and customize, advanced setting.
- ⑬ Shortcut to support rapid work
- ⑭ Support multi-language
- ⑮ Search function to navigate in terms of heading to details. Example, Title → Details.
- ⑯ To restore any deleted tasks, modules.
- ⑰ Basically a platform for developer to create customize features or add-on features to suit user's needs.
- ⑱ Notification such as pop-up notification, or notification by email.
- ⑲ Return to planner Page

Annotation

① Undo icon, go back to previous action.

② Switch to task dependency mode. In Page 4

③ Horizontal Slider, it can perform similar action when click drag left or right on the space area space above.

④ The 3 dots is for customization. For example, sorting, help; set day before, roles; individual

⑤ When hover, it will slide out about $\frac{1}{4}$ of the screen's width. It is to show total of individual task in progress bar.

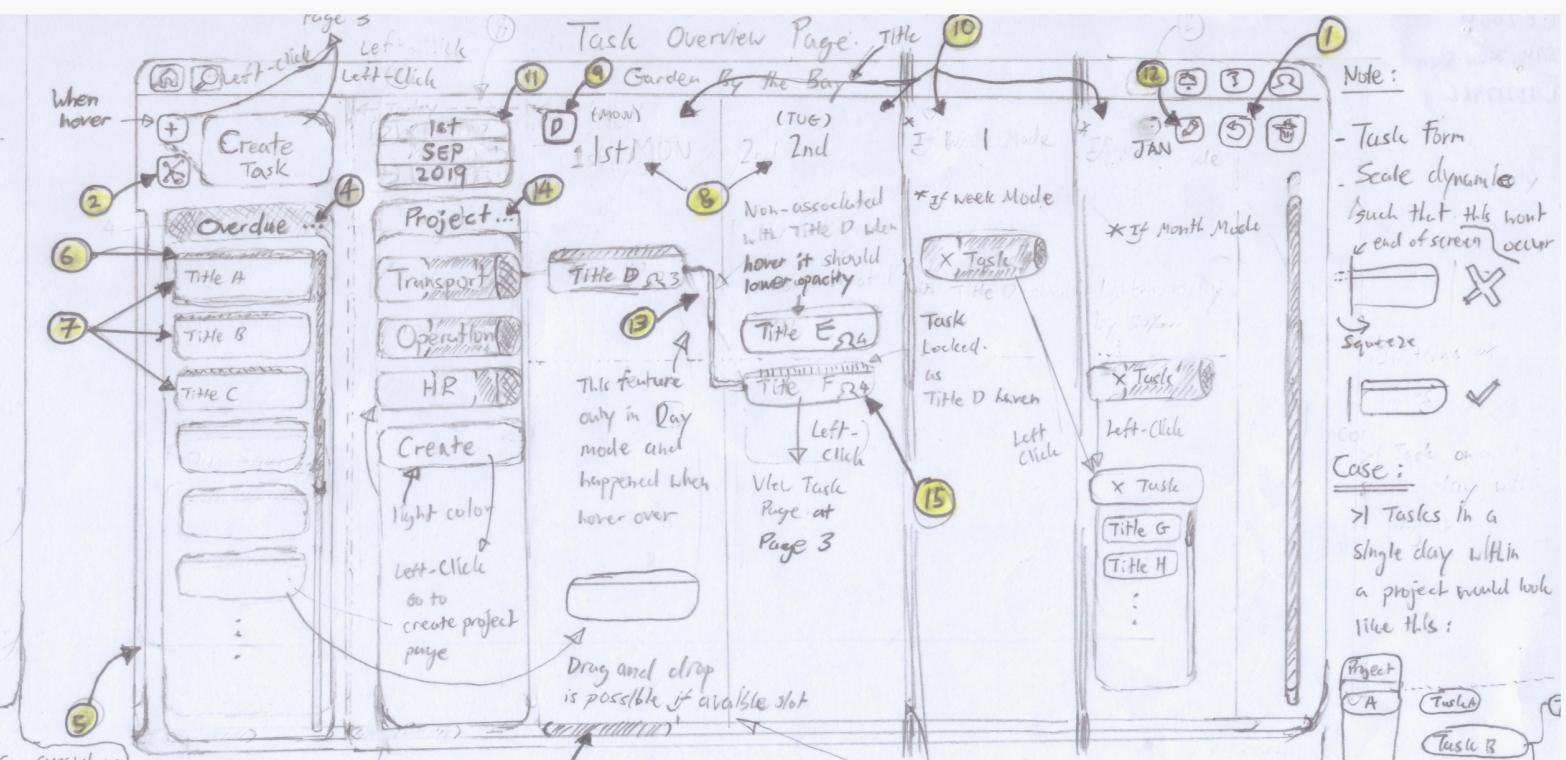
⑥ Progress Indication by color or pattern can be modified in setting. White

Completed → Green

In progress → Yellow

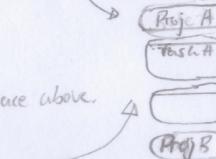
Overdue → Red

⑦ Task will bar for progress indication and title of the task. It is possible to drag and drop into other area in the form of "slot in"



Can expand or minimize

In terms of Project:



Individual Task

SAME

KEN

Total

complete

in Prog

overdue

Not started

Person

Project

Task

Project

Task

Person

Project

Create a task

Annotations:

- Once left-click → Drop-down Menu
- Add members into task Module Form Module Mode List form Left-click Search bar Members Left-click
- Indicator of the number of person assigned for this task. Press to show more detail. Like (Module Mode) or (List Form)
- To Close the task Close
- To Link to other task in order to get task dependency. Once click, it will lead to overview page and show all possible task to link, those that are not possible to link will greatly reduce in opacity.
- Show the list of action happened in the task. This helps the leader of the task or leader of the planner to keep track of the details.

7 Individual To-Do assignments were sorted such that with "Title" will be shift downward and yet to-do assignments will move to the top.

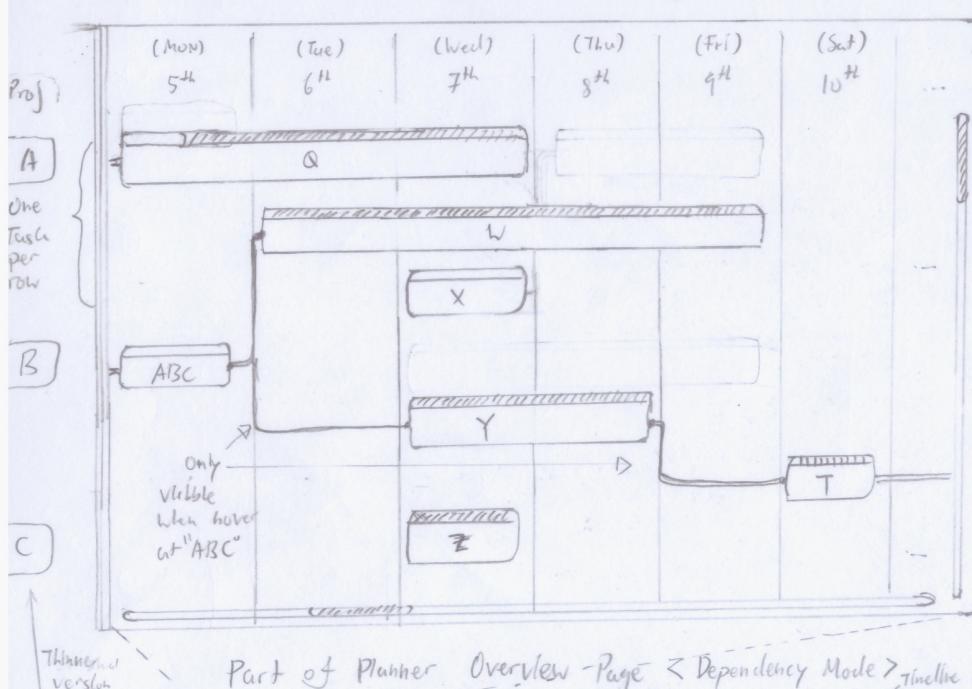
8 To ensure text is standardize, the system is smart enough to re-scale such that minimal information is enough to interpret full meaning. And tasks title are restricted the number of characters, but is adjustable by user from settings.

Open a created task

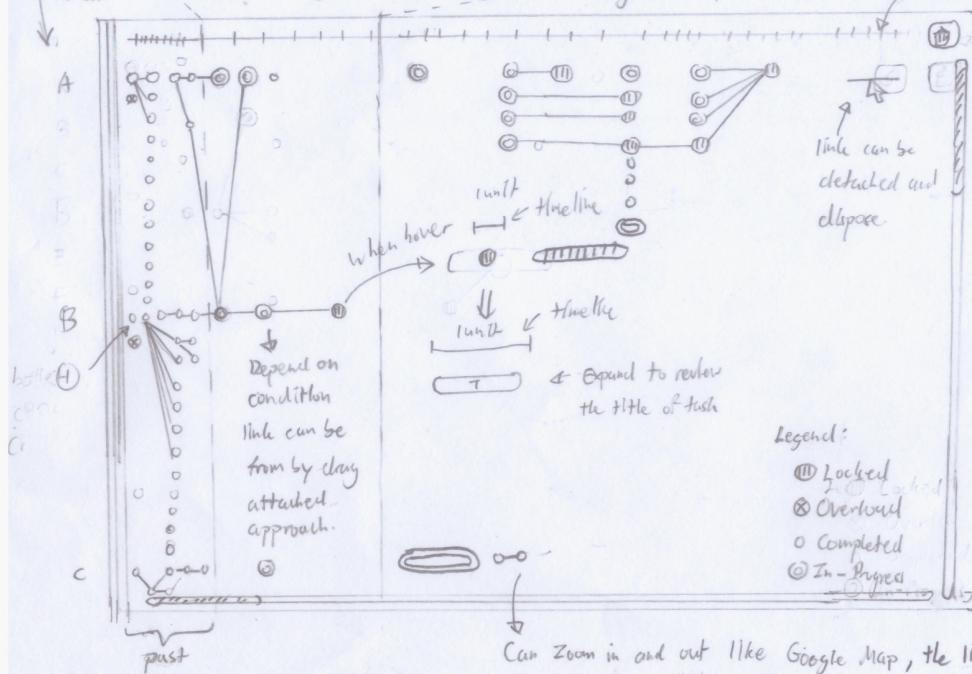
Annotations:

- Once left-click → Edit or click to view usages
- Disabled for member Edit Delete File Upload a file Attach Image Feature View days remaining Drag Remaining 25 Days
- All module is dragable to suit user needs. in the area.
- Some Example of add-on features.
- Prop in any of the space other object or icon will re-scale accordingly add-on features
- search & function
- scroll down
- A feature in workshop that develop better design to handle this case.

Part of Planner Overview Page < Day Mode >



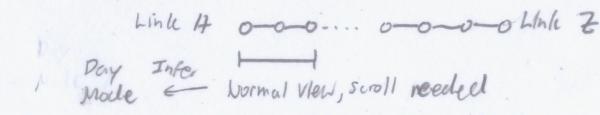
Part of Planner Overview - Page < Dependency Mode > Timeline



Dependency Mode Goals:

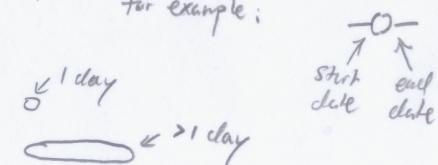
- ① Give links the focal point.
- ② A glimpse of whole structure and connection of all possible tasks.
- ③ Provide links or Remove link with larger view

For example



- ④ ① ② ③ ④ dots are refer to start and end date

For example:



- ⑤ Minimise Information.

- II Any condition that do not allow dependency or remove dependency will be clickable so user will not misuse them. They can refer to the bar's (?) for more information about its usage.

This allow users have a better overview of task dependency by squeezing the rows in "part of planner overview page"