Version 3.18.09

Version 3.25.09

Testing of CMEDemo\_V2:

**System requirements**

* Must state resolution
* Must state system requirements
* Use 16-bit medium color for projection

**Not functioning features**

* Upload map to database not workable since it’s not connected to the database
* Download map from database not workable since it’s not connected to the database

**\*Bugs (Highlighted in GREEN)**

* Each time when loading the same map for several times, the route saved on the map appears in the existing route panel for that amount of times.
* Existing route listed under the existing route box after pressing ‘save map’ is duplicated once you click on the google map button or editor, then you load the same file.
* If you add a route in a map (have not saved) and go to google map button to create a new map instance without saving the previous map, the modification made on the previous map will be shown on the new map. In the new map, depots can be added but new route cannot be added, unless clear current route is selected.
* Deleted two out of the four saved depots. After adding a route and saving it, exception in java –arrayIndexOutOfBoundsException = -1. A 2nd route cannot be added.
* When the depot is removed, routes linked to the depot will be removed as well.
* Do not allow map to be created without naming it first.

**Limitation of GUI**

* Only able to add 4 depots
* Must include that our GUI doesn’t support Google maps with 3D buildings
* Capture screen shot; hence rely on the resolution and the quality of the device (See System Requirements)
* Traffic lights can only be placed at junctions of map
* Nothing can be plotted on expressway

**Test Failures - Problems**

* Yellow routes are not displayed well on the projector, due to the projector's quality; hence routes are unable to be added on the yellow route. the projector is using the 16bit medium color, best performance at (highest)32bit color, resolution best @ 1280 x 1024

**User Guide**

* Table of contents
* System requirements
* Include guidelines for using the GUI e.g. recommended naming convention for maps, routes
* Summary of functionalities of each panel
* Give cases; step by step instruction to the tasks
* How to download google map
* Include FAQs

**Testing Procedures**

**i) Test the main functions of the GUI that is in the CME Editor**

* Save map, Load map
* Add/delete depot
* Add/delete/save route
* -.. Bus stop
* -.. Junction
* -..Traffic light

**ii) Test non-functioning requirements**

* e.g. rename, refresh

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**Test Checklist**

**SECTION 0:**

Main Menu of City Map Editor

1. Google Search Button

* If you place the cursor at Google Search Button, it will show ‘Click here to see this area on Google Map’
* When button is pressed, it will automatically open a new instance of Internet Explorer showing Google Map. From there we can search for maps not just in Singapore, but from other countries

**SECTION 1:**

City map editor Panel

1. Google map button

* Shows default map is Joo Koon Map
* If you place the cursor at the City Map Editor, it will show 'new map'
* (new map button able to show map)

1. Editor button

* If you place the cursor at the Browser Editor, it will show \*\*'load existing map', BUT with the 'map' covered by the map panel
* Navigate to the main page of the city map editor and shows the Map(Local) Panel and the Database Panel (See SECTION 3 and 4 respectively)

**SECTION 2:**

Browser Panel

1. Use this map

* Upon clicking, a dialog box named ‘Save Map’ is displayed, prompts the user to enter new map ID
* Upon enter the new ID, the various panels are displayed:
* City Map Editor panel
* Depot Panel
* Route Panel
* Bus Stop Panel
* Junction Panel
* Traffic Light Panel
* Save Map Panel
* Existing Route Panel
* (Able to save map using “use this map” button)

**SECTION 3:**

Map (local) Panel

1. Refresh button

* When no map is loaded, no actions will be taken if you click the 'refresh button'
* NOT FUNCTIONING a.t.m

1. Load button

* NOT FUNCTIONING a.t.m
* (Able to load map saved)

1. Rename button

* A dialog box named 'Input' is popped up and prompts user to enter new map name. After pressing 'ok', exceptions occur at netbeans, but GUI operation does not cease.
* Repetitive selection of 'rename button' will keep causing the same exceptions to occur, but GUI operation does not cease.
* NOT FUNCTIONING a.t.m

1. Delete button

* NOT FUNCTIONING a.t.m

**SECTION 4:**

Database Panel

1. Upload button

* NOT FUNCTIONING a.t.m (as it is not connected to the database yet)

1. Download map from database button

* Navigates and display a new panel called 'Map(Database) Panel' (See SECTION 5)
* NOT FUNCTIONING a.t.m (as it is not connected to the database yet)

**SECTION 5:**

Map (Database) Panel

1. Refresh button

* NOT FUNCTIONING a.t.m

1. Load Map button

* NOT FUNCTIONING a.t.m

1. Delete button

* NOT FUNCTIONING a.t.m

1. Done button

* Return back to the page with 'Map(local) Panel' and 'Database Panel'(See SECTION 3 and 4 respectively)

**SECTION 6:**

Depot Panel

1. Add depot (left)

* (Able to add depot)
* Currently able to add 4 depots only
* After adding the depots, routes cannot be added
* After adding the depots, bus stops cannot be added
* After adding the depots,

1. Delete depot (right)

* (Able to delete depot)

**SECTION 7:**

Route Panel

1. Add route(left)

* (Able to plot route)
* New routes can only be added after exiting whole program

1. Save route(middle)

* After saving the existing route, other routes cannot be added even though other maps are loaded
* After adding and saving the route and map, when load another map, the route is still on the new map.
* Need to clear the route. However it is not able to add new route later. And the route plotted is not there even though the map is loaded.

1. Clear current route(right)

* After clearing the plotted route, new route cannot be added

**SECTION 8:**

Bus Stop Panel

1. Add bus stop (left)
2. Delete bus stop (right)

**SECTION 9:**

Junction Panel

1. Add junction (left)

* Able to add junction)

1. Delete junction (right)

* Able to delete junction

**SECTION 10:**

Traffic Light Panel

1. Add traffic light (left)

* Able to add traffic light

1. delete traffic light (right)

* Able to delete traffic light

**SECTION 11:**

1. SAVE map button

* There is ID for the existing road saved but after exiting the program, but cant load the map; map is not saved

**SECTION 12:**

1. Existing route delete

**SECTION 13:**

1. Exit program