Map Function – Blackbox Test

1. Map
   1. Requirement Clarification
2. The map widget implemented the Google Javascript API and corelated placemarker functions.
3. The user shall be able to choose any type of the incidents from the dropdown list, and the placemarkers representing the type of incidents selected will be displayed on the map, and the detailed information will be displayed underneath the map.
4. When the call centre operator added a new incident, a new placemarker shall be displayed on the map.
5. The stubs used to test the functions of the subsystem is the built-in model template of Django, which is a website framework. The model serves as a data container consisting three fields – the name of the incident, the type of the incident, and the location of the incident.
   1. Generic Cases

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| Case ID | Scenario | Expected Result | Actual Result |
| 1 | The user selects a specific type of the incidents. | The incidents stored in the database that match the type of incident of the user choice are displayed on the map in the form of placemarkers. | The incidents stored in the database that match the type of incident of the user choice are displayed on the map in the form of placemarkers. |
| 2 | The user selects a type of incidents that no incident’s type in the database matches the user selection | The map is loaded successfully and functions properly, but no placemarkers shall appear on the map. | The map is loaded successfully and functions properly, but no placemarkers shall appear on the map. |

* 1. Specific Cases

Description of the following choices:

Type “Fire”: there are three fire incidents stored in the database.

Type “Flood”: there are no flood incidents stored in the database.

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| Selection | Expected Result | Actual Result |
| Fire | The incidents of type “Fire” stored in the database are displayed on the map in the form of placemarkers. | The incidents of type “Fire” stored in the database are displayed on the map in the form of placemarkers. |
| Flood | The map is loaded successfully and functions properly, but no placemarkers shall appear on the map. | The map is loaded successfully and functions properly, but no placemarkers shall appear on the map. |