

Broadsword GIS NavUP System Testing Report

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1 Over-View Tests

1.1 Ad-hoc testing

1.2 description

This type of software testing is very informal and unstructured and can be performed by any stakeholder with no reference to any test case or test design documents. The person performing Ad-hoc testing has a good understanding of the domain and workflows of the application to try to find defects and break the software. Ad-hoc testing is intended to find defects that were not found by existing test cases.

1.3 What is being Tested

text Here

1.4 Results after testing

text Here

1.5 Acceptance Testing

1.6 description

Acceptance testing is a formal type of software testing that is performed by end user when the features have been delivered by developers. The aim of this testing is to check if the software confirms to their business needs and to the requirements provided earlier. Acceptance tests are normally documented at the beginning of the sprint (in agile) and is a means for testers and developers to work towards a common understanding and shared business domain knowledge.

1.7 What is being Tested

text Here

1.8 Results after testing

text Here

1.9 Accessibility Testing

1.10 description

When doing accessibility testing, the aim of the testing is to determine if the contents of the website can be easily accessed by disable people. Various checks such as color and contrast (for color blind people), font size for visually impaired, clear and concise text that is easy to read and understand.

1.11 What is being Tested

text Here

1.12 Results after testing

text Here

2 API Testing

2.1 Type of test to be applied: Black-Box Testing

2.2 Reason for choosen Testing Method

We choose Black-Box Testing since GIS is a modulle to the NavUP software. this allows us to examine the functionality of the Gladios GIS modulle

2.3 Test Cases

Functions implemeted

- public String geAlltBuildings(Double lat, Double lon);
- public String getBuilding(Double lat, Double lon);
- ArrayList getLectureHall(String building);

- `public ArrayList getLectureCoordinates(String room);`
- `public ArrayList getBuildingCoordinates(String building);`
- `public ArrayList getBuildingInRadius(double mLat, double mLon, double radius);`
- `public void insertBuilding(String name, String description, String geometry, String coordinates, String table);`

Table 1: Test cases

Function	Description	Mark(10)	comment
<code>getAllBuildings</code>	This function returns a list of all the buildings in the GIS database	10	comment
<code>getBuilding;</code>	This function returns the details of a building specified by the user	10	comment
<code>getLectureHall</code>	This function returns the location of a lecture hall specified by the user	10	comment
<code>getLectureCoordinates</code>	This function returns the coordinates of a lecture hall	10	comment
<code>getBuildingCoordinates</code>	This function returns the coordinates of a specified bulding	10	comment
<code>getBuildingInRadius</code>	Not sure what this does	10	comment
<code>insertBuilding;</code>	This function inserts a building to the database using the parameters	10	comment

3 Non-Functional Requirements Tested

Insert Text Here.

4 Evaluation of Test Cases

Insert Text Here.