Broadsword GIS NavUP System Testing Report

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Contents

1	Ove	Over-View Tests 3						
	1.1	Ad-hoc testing						
	1.2	description						
	1.3	What is being Tested						
	1.4	Results after testing						
	1.5	Acceptance Testing						
	1.6	description						
	1.7	What is being Tested						
	1.8	Results after testing						
	1.9	Accessibility Testing						
	1.10	description						
		What is being Tested						
		Results after testing						
2	AP	Testing 4						
	2.1	Type of test to be applied: Black-Box Testing 4						
	2.2	Reason for choosen Testing Method						
	2.3	Test Cases						
3	Non-Functional Requirements Tested							
	3.1	List of Non-Functional Requirements 6						
	3.2	Marking						
1	Fvo	lustion of Tost Cases 7						

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
getAllBuildings	This function returns a	10	comment
	list of all the buildings		
	in the GIS database		
getBuilding;	This function returns	10	comment
	the details of a building		
	specified by the user		
getLectureHall	This function returns	10	comment
	the location of a lec-		
	ture hall specified by		
	the user		
getLectureCoordinates	This function returns	10	comment
	the coordinates of a lec-		
	ture hall		
getBuildingCoordinates	This function returns	10	comment
	the coordinates of a		
	specified bulding		
getBuildingInRadius	Not sure what this does	10	comment
insertBuilding;	This function inserts	10	comment
	a building to the		
	database using the		
	parameters		

3 Non-Functional Requirements Tested

3.1 List of Non-Functional Requirements

Non-Functional Requirements

- Performance
- \bullet Scalability
- Security
- Accessibility
- Maintainability

3.2 Marking

Table 2: Non-Functional Requirements

Function	Description	Mark(10)	comment
Performance	Does the system per-	10	comment
	form well under dif-		
	ferent possible environ-		
G 1 1 111	ments and situations	10	
Scalability	Can the system handle	10	comment
	a sufficient amount of		
	data at a time and over-		
	time		
Security	Is the system suffi-	10	comment
	ciently protected from		
	the possible threats		
	that could occur		
Accessibility	Is the system easily ac-	10	comment
	cessible to people with		
	disabilities		
Maintainability	Can the system be	10	comment
	maintained with ease		
	regarding database and		
	source code		

4 Evaluation of Test Cases

Insert Text Here.