

# Sprint 1 & 2 Testing Document

Testing Document

COMP90082

Planimation

Team: Bluering



SCHOOL OF  
COMPUTING &  
INFORMATION  
SYSTEMS

<students must use this table to track individuals' contributions to this document.

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## Revision History

Date	Version	Description	Author
5/9/2021	01.00-D01	Initial draft	Priyanka Shivampetha
10/9/2021	01.00-D02	Functional Test Cases For UC001	Priyanka Shivampetha
17/9/2021	01.00-D03	Functional Test Cases For UC005	Zenan
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23 Oct 2021	02.00-D04	Functional Test Cases For UC006	Priyanka shivampetha

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• Introduction

The system integration test of the Planimation should validate from the requirements perspective that:

- All timekeeping functions work correctly.
- Frontend page work correctly.
- Animation functions work correctly.
- The system is easy to use by the end-users.
- All points of integration within the system work as defined in requirements.
- All points of integration with other systems work as defined in requirements.
- Recovery procedures are correct and can be performed by users.

The objective of this testing is to validate the system operation as a whole. At the conclusion of testing, the project team and the test team will have a high level of confidence that the system will work according to user requirements.

• Proposal

The purpose of this document is to define and present the test cases for project Planimation, covering the test cases for the system use cases.

• Target Users

This document in mainly designed for those responsible for executing the test cases in this project Shujin Zhang, Priyanka Shivampetha, Zenan Ji, Yinghao Wang, SWEN90082 Supervisor Doc Wallace.

• Conventions, terms and abbreviations

This section explains the concept of some important terms that will be used throughout this document. These terms are described in the following table, presented in alphabetical order.

Term	Description
PixiJS	A rendering library that will allow you to create rich, interactive graphics, cross platform applications. Used for the generation of animation for PDDL.
PDDL	The Planning Domain Definition Language (PDDL) is an attempt to standardize Artificial Intelligence (AI) planning languages.

- **Covered Requirements**

This section lists the system requirements covered in the test cases.

- **Functional or Product Requirements**

Requirement Identifier	Requirement Name
UC001	As a user, i should access the main interface when accessing the 4 sub-modules
UC002	As a user, i should upload the vfg file for the generation of the visualization
UC003	For the planning problem As a user, I can able to upload domain problems and animation files in order to generate the solution
UC004	As a user after upload the problem files I can able to see the animation visualization for the problem file
UC005	As a user for each plan i should check every step of plan,if a user selects any particular step then it should show detailed step information

- **Functional Test Cases**

This section describes the test cases that cover the product requirements of the system.

- **UC001:Checking whether User can Successfully Access the homePage**
- TC001: Goes To The Homepage Successfully

<b>Test Type:</b> Functional	<b>Execution Type:</b> Manual
<b>Objective:</b> Verify if the URL of the page is working Successfully	
<b>Setup:</b> <ul style="list-style-type: none"> <li>• Having The internet Access</li> </ul>	
<b>Pre-Conditions:</b> <ul style="list-style-type: none"> <li>• No</li> </ul>	
<b>Notes:</b> Open the webpage <ul style="list-style-type: none"> <li>• Check With Buttons of the page whether they are functioning correctly or not</li> <li>• check forward, backward and reload pages</li> </ul> The interface page can open successfully.	

**Time constraint:**

Minimum: less than 10 sec

Maximum: 1 min

- UC002: For the planning problem As a user, I can able to upload domain problems and animation files in order to generate the solution
- TC001: Checking Uploading Problem File

<b>Test Type:</b>	<b>Execution Type:</b>
Functional	Manual
<b>Objective:</b> Verify that the uploading function is performed successfully.	
<b>Setup:</b> <ul style="list-style-type: none"><li>• Need to have a successful Internet Connection</li></ul>	
<b>Pre-Conditions:</b> <ul style="list-style-type: none"><li>• No</li></ul>	
<b>Notes:</b> [1] Try to upload the problem file in the web page. [2] Try to upload the problem to the web page after refreshing the page. [3] Try to upload the different problem file in the web page. [ <i>* Server will list all files uploaded into the server.</i> <i>* All types of files are accepted by the server.</i>	
<b>Time constraint:</b> Minimum: Less than 2min Maximum: more than 3min	

- UC002 For the planning problem As a user, I can able to upload domain problems and animation files in order to generate the solution
- TC003: Checking With Domain File

<b>Test Type:</b>	<b>Execution Type:</b>
Functional	Manual
<b>Objective:</b> Verify if a domain file can be added successfully	
<b>Setup:</b> <List the pre-conditions to carry through this test case >	

**Pre-Conditions:**

<List the conditions after the test execution >

**Notes:**

- [1] Try to upload domain files on the web page.
- [2] Try to upload domain files to the web page after refresh the page.
- [3] Try to upload the different problem files on the web page

\* Server will list all files uploaded into the server.

\* All types of files are accepted by the server.

\* Server can receive data from the file.

**Time constraint:**

Minimum: less than 2 min

Maximum: more than 3 min

- UC002: For the planning problem As a user, I can able to upload domain problems and animation files in order to generate the solution
- TC004: Checking Uploading Animation File

<b>Test Type:</b>	<b>Execution Type:</b>
Functional	Manual
<b>Objective:</b>	
Verify that the uploading function is performed successfully.	
<b>Setup:</b>	
<ul style="list-style-type: none"><li>• Need to have a successful Internet Connection</li></ul>	
<b>Pre-Conditions:</b>	
<ul style="list-style-type: none"><li>• No</li></ul>	
<b>Notes:</b>	
[1] Try to upload the Animation file on the web page.	
[2] Try to upload the animation file to the web page after refreshing the page.	
[3] Try to upload the different Animation files on the web page.	
[	
* Server will list all files uploaded into the server.	
* All types of files are accepted by the server.	

**Time constraint:**

Minimum: Less than 2min

Maximum: more than 3min

- **UC002: For the planning problem As a user, I can able to upload domain problems and animation files in order to generate the solution**
- TC005: Checking Uploading Problem File Is Uploaded not successfully

<b>Test Type:</b> Functional	<b>Execution Type:</b> Manual
<b>Objective:</b> Verify that the uploading function is performed un successfully.	
<b>Setup:</b> <ul style="list-style-type: none"><li>• No</li></ul>	
<b>Pre-Conditions:</b> <ul style="list-style-type: none"><li>• No</li></ul>	
<b>Notes:</b> 1) user trying the problem file to upload when there is no internet 2) user trying to upload the empty files	
<b>Time constraint:</b> Minimum: Less than 2min Maximum: more than 3min	

- **UC002: For the planning problem As a user, I can able to upload domain problems and animation files in order to generate the solution**
- TC006: Checking Uploading Domain File Unsuccessful

<b>Test Type:</b> Functional	<b>Execution Type:</b> Manual
<b>Objective:</b> Verify that the uploading function is performed not successfully.	
<b>Setup:</b> <ul style="list-style-type: none"><li>• no</li></ul>	
<b>Pre-Conditions:</b> <ul style="list-style-type: none"><li>• No</li></ul>	

<b>Notes:</b>  1) user trying the Domain file to upload when there is no internet 2) user trying to upload the empty Domain files
<b>Time constraint:</b>  Minimum: Less than 2min Maximum: more than 3min

- **UC002: For the planning problem As a user, I can able to upload domain problems and animation files in order to generate the solution**
- TC006: Checking Uploading Animation File Unsuccessful

<b>Test Type:</b> Functional	<b>Execution Type:</b> Manual
<b>Objective:</b> Verify that the uploading animation File function is performed not successfully.	
<b>Setup:</b> <ul style="list-style-type: none"> <li>• no</li> </ul>	
<b>Pre-Conditions:</b> <ul style="list-style-type: none"> <li>• No</li> </ul>	
<b>Notes:</b>  1) user trying the Animation file to upload when there is no internet 2) user trying to upload the empty Animation files	
<b>Time constraint:</b>  Minimum: Less than 2min Maximum: more than 3min	

**UC003: For the planning problem As a user,I should check the vfg file upload successfully.**

US003:Visualisation Files

TC007:Verifying when user uploading vfg file is successful

<b>Test Type:</b> <b>Functional</b>	<b>Execution Type:</b> <b>Manual</b>
<b>Objective:</b> Verifying when uploading a vfg file is successful	
<b>Setup:</b> Vfg file has uploaded	
<b>Preconditions:</b> None	

<b>Notes:</b> uploading the vfg file.	
<b>Time Constraints:</b> Minimum:<1:30 sec Maximum:2 min	

TC008:Uploading Vfg file Unsuccessful

TEST TYPE: FUNCTIONAL	EXECUTION TYPE: MANUAL
<b>Objective:</b> Verifying When uploading vfg file unsuccessfully	
<b>Setup:</b> Vfg file uploaded	
<b>Preconditions:</b> None	
<b>Notes:</b> Uploading vfg file and it has uploading file was successful because 1)vfg format was wrong 2)uploading vfg file when there is no internet	
<b>Time Constraints:</b> Maximum:<1 min Minimum:2min	

UC004: For the planning problem As a user I should check subgoal steps

TC009:Selecting Subgoals

TEST TYPE: FUNCTIONAL	EXECUTION TYPE: MANUAL
<b>Objective:</b> Verifying the displayed information when selecting is performing successfully	
<b>Setup:</b> The pddl animation file is uploaded successfully	
<b>Preconditions:</b> None	



<b>Notes:</b>  Selecting the steps offline  Selecting the steps Online	
<b>Time Constraints:</b>  Maximum:30 sec  Minimum:45 sec	

**UC007: For the planning problem As a user I should check plan steps**

TC010-Selecting the Plan Steps

<b>TEST TYPE:</b>  <b>FUNCTIONAL</b>	<b>EXECUTION TYPE:</b>  <b>MANUAL</b>
<b>Objective:</b>  Verifying the displayed information when selecting is performing successfully	
<b>Setup:</b>  The pddl animation file is uploaded successfully	
<b>Preconditions:</b>  None	
<b>Notes:</b>  Selecting the steps offline  Selecting the steps Online	
<b>Time Constraints:</b>  Maximum:30 sec  Minimum:45 sec	

TC011:Verifying the Control Animation For play

<b>TEST TYPE:</b>  <b>FUNCTIONAL</b>	<b>EXECUTION TYPE:</b>  <b>MANUAL</b>
<b>Objective:</b>  Verifying the displayed information when selecting is performing successfully	
<b>Setup:</b>  The pddl animation file is uploaded successfully	
<b>Preconditions:</b>  None	

<b>Notes:</b>  1)Checking the play animation 2)Selecting a step before the animation. 3)Selecting a subgoal after animation. 4)Selecting a step after animation 5)Selecting a subgoal before animation 6)Selecting a step during animation. 7)Selecting a subgoal during animation	
<b>Time Constraints:</b>  Maximum:30 sec Minimum:45 sec	

TC012-Verifying the Control animation for Pause

<b>TEST TYPE:</b> <b>FUNCTIONAL</b>	<b>EXECUTION TYPE:</b> <b>MANUAL</b>
<b>Objective:</b> Verifying the displayed information when selecting is performing successfully	
<b>Setup:</b> The pddl animation file is uploaded successfully	
<b>Preconditions:</b> None	
<b>Notes:</b>  1)Playing the planimation from start 2)Click the pause function during playing animation 3)Click the pause function during pausing the animation	
<b>Time Constraints:</b>  Maximum:30 sec Minimum:45 sec	

**UC006: For the planning problem As a user I should have access to the video and demo page so that I can learn about tool**

TC013-Linking the video

<b>TEST TYPE:</b> <b>FUNCTIONAL</b>	<b>EXECUTION TYPE:</b> <b>MANUAL</b>
<b>Objective:</b> When Clicking the URL link of video it should go to video page successfully	

<b>Setup:</b>  None	
<b>Preconditions:</b>  None	
<b>Notes:</b>  1)Clicking the link when there is no internet connection 2)Clicking the link during online 3)Clicking link from home page	
<b>Time Constraints:</b>  Maximum:30 sec  Minimum:45 sec	

TC014-Verifying the demo page link

TEST TYPE: FUNCTIONAL	EXECUTION TYPE: MANUAL
<b>Objective:</b>  When Clicking the URL link of demo page it should go to demo page successfully	
<b>Setup:</b>  None	
<b>Preconditions:</b>  None	
<b>Notes:</b>  1)Clicking the link when there is no internet connection 2)Clicking the link during online 3)Clicking link from home page	
<b>Time Constraints:</b>  Maximum:30 sec  Minimum:45 sec	