

Universidad de Granada

FACULTAD DE INGENIERÍA INFORMÁTICA

PRACTICA 3: PRUEBAS SOFTWARE



**UNIVERSIDAD
DE GRANADA**

DS: Grupo 1.7

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1 Planification of Software tests

1.1 Race Selection

Test:

- Select each valid race (Elfo, Enano, Humano, Orco) from the available options.

Explanation:

This test verifies that the application properly recognizes and processes user selections for character race. It ensures characters can be created with intended racial attributes.

1.2 Class Selection

Test:

- Select each valid class (Caballero, Ladrón, Mago, Ranger) from the available options.

Explanation:

Similar to race selection, this test ensures the application handles class selection correctly. It guarantees characters can be created with the functionalities associated with their chosen class.

1.3 Character Name

Test:

- Enter a valid character name.
- Leave the character name field empty.
- Enter a character name with a really long name

Explanation:

This test verifies the application allows valid character naming and handles empty or excessively long names appropriately. Testing empty and long names helps identify potential issues like crashes or errors when a user doesn't provide a name or exceeds the limit.

1.4 Character Creation

Test:

- Create a character with valid selections for race, class, and name.
- Attempt to create a character with missing selections .

Explanation:

This test confirms the core functionality of the application: creating characters based on user selections. It ensures characters are created as intended. Testing with missing selections helps identify potential bugs or incomplete functionalities if required fields are left empty.

1.5 Character List Filtering

Test:

- Filter characters by each available race.
- Filter characters by each available class.
- Filter characters by both race and class.

Explanation:

This test verifies the functionality of the character list filtering system. It ensures users can effectively search and find characters based on specific criteria.

1.6 Character List Sorting

Test:

- Sort characters by name.
- Sort characters by race.
- Sort characters by class.

Explanation:

This test verifies the functionality of the character list sorting system. It ensures users can organize their characters based on different criteria for easier browsing.

1.7 Character Details Screen

Test:

- Create a character and navigate to its details screen.
- Verify that the displayed details (name, race, class, attributes) match the created character's information.

Explanation:

This test confirms that the application correctly retrieves and displays information for a selected character. It ensures users can access and review the details of their creations.

1.8 Character Deletion

Test:

- Create a character.
- Delete the created character from the list
- Verify that the character is removed from the list and cannot be accessed anymore.

Explanation:

This test verifies the functionality of character deletion. It ensures users can manage their character collection and remove unwanted characters. It's also important to check for proper handling during deletion, such as confirmation prompts to avoid accidental character loss.

2 Test Case Analysis

Name of the Test	Conditions	Needed Data
Valid Race Selection	User selects each available race	- List of available races
Valid Class Selection	User selects each valid class from the available options	- List of available classes
Valid Character Name	User enters a valid character name	-
Empty Character Name	User leaves the character name field empty	-
Long Character Name	User enters long character name	- Character name length limit (if any)
Valid Character Creation	User creates a character with valid selections for race, class, and name	- List of available races & classes
Missing Selection Creation	User attempts to create a character with missing selections	- List of available races & classes
Race Filter	User filters characters by each available race	- List of available races
Class Filter	User filters characters by each available class	- List of available classes
Race & Class Filter	User filters characters by both race and class	- List of available races & classes
Name Sorting (Ascending)	User sorts characters by name	- A set of characters with different names
Race Sorting (Ascending)	User sorts characters by race	- A set of characters with different races
Class Sorting (Ascending)	User sorts characters by class	- A set of characters with different classes
Character Details View	User creates a character and views its details screen	-

3 Test Design

Sorted Test Cases	Test Environment	Test Data	Relation to Test Conditions
Valid Selections: 1. Select each valid race. 2. Select each valid class. 3. Enter a valid character name.	Mobile Device Simulator / Linux / Windows	- List of available races & classes	Valid Race Selection, Valid Class Selection, Valid Character Name
Empty/Long Character Name: 1. Leave character name field empty. 2. Enter a long name.	Mobile Device Simulator / Linux / Windows		Empty Character Name, Long Character Name
Missing Selection Creation: 1. Attempt to create a character with miss- ing race or class.	Mobile Device Simulator / Linux / Windows	- List of available races & classes	Missing Selection Creation
Character Creation & Details: 1. Create a character with valid selections. 2. View details of a created character.	Mobile Device Simulator / Linux / Windows	- List of available races & classes	Valid Character Creation, Character Details View
Filtering & Sorting: 1. Filter characters by race (individually). 2. Filter characters by class (individually). 3. Filter characters by race & class com- bined. 4. Sort characters by name. 5. Sort characters by race. 6. Sort characters by class.	Mobile Device Simulator / Linux / Windows	- List of available races & classes - Set of characters with different names, races, and classes	Race Filter, Class Filter, Race & Class Filter, Name Sorting, Race Sorting, Class Sorting
Character Deletion: 1. Delete a created character from the list.	Mobile Device Simulator / Linux / Windows	-	Character Deletion