**User**

**Requirements**

**Specification**

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# **Web application:**

After the completion of the application, the user will have the ability to:

* Write reviews and rate video games
* Create an account
* Get recommendations for video games they may like
* View statistics for video games based on genre

# **Functional requirements:**

The desktop and the website application should be connected to a MySQL database. Currently, the application is planned to have only one type of user – the default one.

# **Moscow:**

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| **Must** | * Ability to write reviews and rate video games * Account creation * Get recommendations for video games that the user may like * Statistics for video games based on genre * Be able to search games by genre |
| **Should** | * The user can add games that they have played to their profile |
| **Could** | * Add profile pictures * Other users can like/dislike a review |
| **Won’t** | * Be able to purchase games on the platform |

# **User case:**

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| **UC-001** |
| **Action** | User creates an account |
| **Actor** | User |
| **Main Success Scenario** | 1. User goes to the registration page 2. User enters a valid email address 3. User enters a nickname 4. User enters a password 5. User creates an account successfully |
| **Extension** | 1a: The email address is invalid or already taken.  .1: A message is displayed.  .2: User is requested to enter an email address again or use another email address.  2a: The nickname is already taken.  .1: A message is displayed.  .2: The user is asked to use another nickname.  3a: Password is not secure enough  .1: A message is displayed.  .2: User is requested to enter a more complex password. |

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| **UC-002** |
| **Action** | User writes a review and rates the game |
| **Actor** | User |
| **Main Success Scenario** | 1. User searches for a game through the search bar 2. User finds the game 3. User gives a rating to the game (from 1 to 5) 4. User writes a review for the game (not necessary) 5. Review and rating are submitted successfully. |
| **Extension** | 3a: The user did not enter any rating  .1: A message is displayed.  .2: User is requested to enter a rating  4a: User has not logged in  .1: A message is displayed.  .2: User is asked to either register or log in on the platform.  4b: User is trying to review the game more than once.  .1: A message is displayed. |

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| **UC-003** |
| **Action** | User can add games that they have played to their profile |
| **Actor** | User |
| **Main Success Scenario** | 1. User is logged in 2. User is on the games page 3. User finds a game 4. User presses a button, saying “Add to Played Games” 5. The game gets added to their profile page in a category “Played Games” |
| **Extension** | 5a: User is not logged in  .1: A message is displayed.  .2: The user is asked to log in in order to add the game to their profile.  5b: User has already added this game to their profile  .1: A message is displayed. |

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| **UC-004** |
| **Action** | User searches games by genre |
| **Actor** | User |
| **Main Success Scenario** | 1. User goes to the game page 2. User adds a genre preference in the sidebar on their right 3. User is able to see all games that are of the selected genre/s 4. (Optional) User enters a word in the search bar above 5. (Optional) User is able to see video games that include the inputted word by the user in their titles |
| **Extension** | 3a: The user hasn’t added any genre preferences  .1: The uses sees all of the games at one place |

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| **UC-005** |
| **Action** | User gets recommendations for video games that they may like |
| **Actor** | User |
| **Main Success Scenario** | 1. User is logged in 2. User has added games that they have played to their profile page 3. User gets recommended games based on the games that are added to their profile on the bottom of the profile page |
| **Extension** | 1a: User is trying to access their profile page but they are not logged in  .1: A message is displayed.  .2: User is requested to log in or register  2a: User has not added any games to their profile page  .1: The bottom of the profile page where the recommended games should be  Is empty and a message says “Add games that you have played to your profile in order to get recommendations for games that you may like.” |

# **Test case:**

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| ID | UC | Name | Pre-Condition | Test data | Expected result |
| TC-01 | UC-001 | Create an account | Enter valid email and password | Email: [hristoganchev@gmail.com](mailto:hristoganchev@gmail.com)  Username: hristo12  Password: Pass123 | User manages to create an account successfully. They get logged in on the platform and redirected to their account page. |
| TC-02 | UC-001 | Create an account without valid information | Enter invalid email but valid password. | Email:  hristoganchev3  Username: hristo12  Password: Pass123 | User receives an error that they have entered invalid email address. |
| TC-03 | UC-001 | Create an account without valid information | Enter an email that is already taken. | Email:  [hristoganchev@gmail.com](mailto:hristoganchev@gmail.com)  Username: hristo12  Password: Pass123 | User receives an error message that this email is already in use. They are asked to use another email address. |
| TC-04 | UC-001 | Create an account without valid information | Enter valid email but invalid password. | Email:  [hristoganchev@gmail.com](mailto:hristoganchev@gmail.com)  Username: hristo12  Password: pass123 | The password does not fulfil the security measurements of the website (a password that contains a small and a large character). The user is requested to try again with a different password combination. |
| TC-05 | UC-001 | Create an account without valid information | Enter a username that is already taken. | Email:  [hristoganchev@gmail.com](mailto:hristoganchev@gmail.com)  Username: Hristo  Password: pass123 | The user receives a message that the username that they want is already taken and they should try again with a different one. |
| TC-06 | UC-002 | User creates a review for the game | Rates the game, writes a review while logged in and submits. | Username: hristo12  Rating: 5/5  Review: “Best game ever!” | The user submits the review successfully and a message is displayed. |
| TC-07 | UC-002 | User creates a review for the game, but does not enter text | Writes a review while logged in and submits without entering a rating from 1 to 5. | Username: hristo12  Rating: 0/5  Review: “Worst game ever!” | The user receives a message that they have not submitted a rating and asks them to do so. |
| TC-08 | UC-002 | User creates a review for the game but is not logged in | Rates the game, writes a review without being logged in and submits. | Username:  Rating: 3/5  Review: “I love the graphics, but the story is awful!” | The user receives a message that they need an account to be able to rate the game and are asked whether they would like to log in or create one. |
| TC-09 | UC-002 | User creates a review for a game that they have already rated | Rates the game, writes a review while logged in and submits. | Username: hristo12  Rating: 4.5/5  Review: “I love this game!” | The user receives a message that they have already written a review for that game. |
| TC-10 | UC-003 | User adds a game that they have played to their profile | Goes to the game they want to add while logged in and presses “Add to Played Games” |  | The user receives a message that they have successfully added the game to their profile. |
| TC-11 | UC-003 | User adds a game that they have played to their profile but are not logged in | Goes to the game they want to add while not logged in and presses “Add to Played Games” |  | The user receives a message that they have to log in in order to add the game to their profile and are asked to log in. |
| TC-12 | UC-003 | User tried to add a game that they have already added | Goes to the game they want to add and presses “Add to Played Games” |  | The user receives a message that they have already added this game to their profile. |
| TC-13 | UC-004 | User searches for games by genre | Goes to the Game page and adds genre of their choice by using the sidebar |  | The user is able to see all the games that are of the selected genre/s. |
| TC-13 | UC-004 | User searches for games by using a keyword | Goes to the Game page and enters a keyword in the search bar | Keyword: Just | The user is able to see all the games that include the word “Just” in their titles |
| TC-14 | UC-004 | User searches for games by using a keyword and a selected genre | Goes to the Game page, selects genre/s of their choice and enters a keyword in the search bar | Keyword: Just | The user is able to see all the games that include the word “Just” in their titles and are of the selected genre/s |
| TC-15 | UC-004 | User doesn’t add any genre or keyword | Goes to the Game page and does not select any genre or does not enter any keyword | Keyword: | The user is able to see all of the games included in the game library |
| TC-16 | UC-005 | User gets recommendations for video games that they may like | User has added games that they have played to their profile page |  | The user is able to see recommendations for games that they may like in the bottom of the page |
| TC-17 | UC-005 | User has not logged in and cannot see game recommendations | User has added games that they have played to their profile page, but they have not logged in |  | The user is trying to access their profile page but they are required to log in first |
| TC-18 | UC-005 | User has not added any games to their profile page | User has not added any games to their profile page and does not have any recommendations |  | When scrolling to the bottom of the profile page where the recommended games should be, the field  Is empty and a message says “Add games that you have played to your profile in order to get recommendations for games that you may like.” |