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| https://screenshotscdn.firefoxusercontent.com/images/eaf3f7f3-2952-4801-af5c-4f20e8ae8b88.png | | |
| **TASK ANALYSIS AND INTERFACE MOCKUP OF GAME ROOM SHOP** | | |
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|  | | |
| GROUP WORK  6531BX028 PI18E | | |
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**ANOTATION**

**Purpose of the work**

Define system functions, decompose core functions, and create user interface with mock up tool.

**Team members contribution**

Edita Komarova – 25%

Saulė Stankevičiūtė – 25%

Mantas Podolskis - 25%

Džiugas Pečiulevičius – 25%

**Tools used for work**

Microsoft Word and Azure RP 8.

**Link of the user interface mock up**

<https://z809nc.axshare.com/#g=1&p=indexpage>

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# INTRODUCTION

**Program system name**

Game room shop.

**Subject area**

Market and advertise games to users online.

**Problem area**

Increasing efficiency of the system, so that the system can advertise games successfully. Making purchases by customers, way more effortless.

**Users**

* Users must have basic knowledge of using internet browser.
* Company representatives must be experienced using internet browser.
* Administrators must have good computer skills.

**Basis of work and documents we used.**

[The needs of users of designed system](file:///C:\Users\edita\Downloads\2.Burundukai_-_2Pd_-_Komarova_-_v2.docx) document we users for our work basis .

# SYSTEM FUNCTIONS

### Initial functional requirements

|  |  |  |
| --- | --- | --- |
| **ID** | **Description** | **Necessity** |
| FR1 | User must able to create account | Necessary |
| FR2 | User must able to login/logout into their account | Necessary |
| FR3 | User must able to browse for newly released available games | Necessary |
| FR4 | User must able to search for a specific game | Necessary |
| FR5 | User must be able to compare game prices | Necessary |
| FR6 | User must able to see catalog of game genres that is available | Necessary |
| FR7 | User must able to view the reviews | Necessary |
| FR8 | User must able to leave a review | Necessary |
| FR9 | User must able to add product to their wish list | Necessary |
| FR10 | User must able to remove product from the wish list | Necessary |
| FR11 | User must able to purchase desired product | Necessary |
| FR12 | User must able to request a refund | Necessary |
| FR13 | User must be able to report another user | Necessary |
| FR14 | User must able to see their wish list | Necessary |
| FR15 | User must able to use advanced filter | Unnecessary |
| FR16 | Users must be able see recommended list | Unnecessary |
| FR17 | User must be able to log in using Facebook or Google | Unnecessary |

### Functional requirements utilization matrix

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **ID** | **1st user group**  **(unregistered)** | **2nd user group**  **(registered)** | **3rd user group (company representatives)** | **4th user group**  **(administrators)** |
| FR1 | X |  |  |  |
| FR2 |  | X | X | X |
| FR3 | X | X | X | X |
| FR4 | X | X | X | X |
| FR5 |  | X | X | X |
| FR6 | X | X | X | X |
| FR7 | X | X | X | X |
| FR8 |  | X |  |  |
| FR9 |  | X |  |  |
| FR10 |  | X |  |  |
| FR11 |  | X |  |  |
| FR12 |  | X |  |  |
| FR13 |  | X | X | X |
| FR14 |  | X |  |  |
| FR15 | X | X | X | X |
| FR16 | X | X | X |  |
| FR17 | X | X | X | X |

# 2. HIERARCHICAL TASK ANALYSIS

1. Create user account with email
   1. Find register button
   2. Press on register button
   3. Enter your credentials
   4. Accept EULA rules
   5. Press register
2. Login/log out your account
   1. Find login button
   2. Press login button
   3. Enter account name in given field
   4. Enter password in given field
   5. Press login
   6. To logout press on your account name
   7. Choose logout button
3. Search for specific game
   1. Find search field
   2. Click on search field
   3. Enter game name in field
   4. Press enter or on magnifying glass
4. Browse games
   1. Press on games drop down list
   2. Press on browse games
5. View reviews
   1. Choose specific game
   2. Scroll down to view reviews
6. Check the price of a product
   1. Choose desired game
   2. Scroll down and check the price
7. Check your wish list
   1. Press on wishlist
   2. Check your wishlist
8. Add a game to wishlist
   1. Choose desired game
   2. Press on star icon
9. Purchase desired product
   1. Choose desired game
   2. Press buy button
   3. Enter credentials and purchase the game
10. Request a refund
    1. Choose desired game
    2. Scroll down until refund button
    3. Press refund
    4. Write reason for refund in popup window
    5. Press on refund
11. Report user
    1. Go to comment section
    2. Press on exclamation mark icon
12. Write a comment
    1. Select desired game
    2. Scroll down past reviews
    3. Write a comment about it
13. Leave a review
    1. Select desired game
    2. Scroll down
    3. Find leave review field

# 3. PLANS

0 plan:

* If needed, 1st task is fulfilled
* If needed, 2nd task is fulfilled
* According to the choice, tasks from 3rd to 13th are fulfilled

1 plan:

* Tasks 1.1 – 1.5 are fulfilled

2 plan:

* Tasks 2.1 – 2.7 are fulfilled

3 plan:

* According to the choice, 3rd – 13th tasks are fulfilled.
* If you’re not logged in you can do following:
* Tasks 3.1 – 3.4 are fulfilled

4 plan:

* If you’re not logged in you can do following:
* Tasks 4.1 – 4.2 are fulfilled

5 plan:

* If you’re not logged in you can do following:
* Tasks 5.1 – 5.2 are fulfilled

6 plan:

* If you’re not logged in you can do following:
* Tasks 6.1 – 6.2 are fulfilled

7 plan:

* If you’re logged in you can do the following:
* Tasks 3.1 – 3.4 are fulfilled

8 plan:

* If you’re logged in you can do the following:
* Tasks 4.1 – 4.4 are fulfilled

9 plan:

* If you’re logged in you can do the following:
* Tasks 5.1 – 5.2 are fulfilled

10 plan:

* If you’re logged in you can do the following:
* Tasks 6.1 – 6.2 are fulfilled

11 plan:

* If you’re logged in you can do the following:
* Tasks 7.1 – 7.2 are fulfilled

12 plan:

* If you’re logged in you can do the following:
* Tasks 8.1 – 8.2 are fulfilled

13 plan:

* If you’re logged in you can do the following:
* Tasks 9.1 – 9.3 are fulfilled

14 plan:

* If you’re logged in you can do the following:
* Tasks 10.1 – 10.5 are fulfilled

15 plan:

* If you’re logged in you can do the following:
* Tasks 11.1 – 11.2 are fulfilled

16 plan:

* If you’re logged in you can do the following:
* Tasks 12.1 – 12.3 are fulfilled

17 plan:

* If you’re logged in you can do the following:
* Tasks 13.1 – 13.3 are fulfilled

# CONCLUSION

We learned to define system function that we want to achieve in our mock up and define benefits that each function gives to user. We also learned to decompose essential functions, create sequence of actions, and analyze each in input and output for each step, by using hierarchical task analysis method.