**תרגיל בית 3:**

**מגישים:**

נוי ביטון - 312238678

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**תפקידים:**

* scrum master – מרכז את העבודה - **נוי**
* frontend developer – פיתוח החלק האחראי על הצגה ללקוח - **נופר**
* backend developer – פיתוח מסד הנתונים והעבודה מולו - **דולב**
* product manager – ייצוג הלקוח בצוות - **אייל**
* UI – עיצוב הממשק - **דבי**
* QA – בדיקות התוכנה - **אילנית**

**הגדרת SDP – software development plan:**

|  |  |
| --- | --- |
| **Iteration 1** | **Implementing the basic logic of the Project** |
| **Task 1** | implement opening screen with game instruction |
| **Task 2** | Build database with all the questions |
| **Task 3** | implement question screen |
| **Task 4** | implement manager control screen |
| **Task 5** | implement end screen with results |
| **Iteration 2** | **Building a more full-featured version** |
| **Task 1** | implement extended feedback to each question |
| **Task 2** | implement login screen |
| **Task 3** | implement badges and achievements in user’s profile |
| **Task 4** | upgrade end screen to include graphs and stats |
| **Task 5** | testing and integration |

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| --- | --- | --- | --- |
| **Executor** | **Task** | **Requirement** | **Iteration** |
|  |  |  | Iteration 2 |
| Frontend developer נופר | Show login screen | Start the application |  |
| דולב Backend developer | Identify user type |  |  |
| UI developer דבי | Design login screen |  |  |
| QA  אילנית | Acceptance Test |  |  |
| QA  אילנית | Login to the system |  |  |
| UI developer דבי | Show subjects to play | Start game |  |
| Backend developer דולב | Display questions from DB | Answering questions |  |
| Backend developer אייל | Compare chosen answer of the player to the correct answer from the DB |  |  |
| Frontend developer נופר | Display feedback to player answer |  |  |
| Frontend developer נופר | Display player’s progress | Shows player’s profile |  |
| UI developer דבי | Display badges and achievements |  |  |
| Backend developer דולב/אייל | Add more questions to DB | Updating available topics and questions in the DB (manager) |  |
| Backend developer אייל | Create users |  |  |
| Backend developer אייל | divide questions into topics |  |  |
| Scrum master נוי | Creating “Maintenance Guide” document for the developer | Reading “Maintenance Guide” |  |
| Scrum master נוי | Creating “User Guide” document for the user | Watching “User Guide” tutorials |  |
| Scrum master נוי | Creating “User Guide” video for the user |  |  |
| QA אילנית/נוי | Final testing |  |  |

| **Precondition** | **Expected Result** | **Description** | **TestID** | **#** |
| --- | --- | --- | --- | --- |
| user is defined in the db | user logs in  update user’s status in db | open login window  enter username and password  click ok | login\_success | **1** |
| user is not defined in the db | user not logs in  error message appears in the screen | open login window  enter username and password  click ok | login\_fail\_wrong-password | **2** |
| user is not defined in the db | user not logs in  error message appears in the screen | open login window  enter username and password  click ok | login\_fail\_wrong-username | **3** |
| the game is logged to the db  the correct answer matches the user’s choice | success message appears on the screen  the user’s score increases by one | click on one of the optional answers  submit the choice | correct\_answer\_to\_question | **4** |
| the game is logged to the db  the correct answer doesn’t match the user’s choice | a message with the correct answer appears on the screen (so that the user can learn for the future)  the user’s score does not change | click on one of the optional answers  submit the choice | incorrect\_answer\_to\_question | **5** |
| the topic exist in the db | a new question is added to the selected topic | get to the question editor page and select a topic  click “add new question”  add the question and the four optional answers | add\_new\_question(manager) | **6** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Precondition** | **Expected Result** | **Description** | **TestID** | **#** |
| the topic exist in the db | the question is deleted from the db | get to the question editor page and select a topic  select an existing question and click delete | remove\_question\_fromDB(manager) | **7** |
| the topic exist in the db | the question is updated from the db | get to the question editor page and select a topic  select an existing question and click update and save | update\_question\_fromDB(manager) | **8** |
| None | a new topic is added to the game | get to the question editor page  add new topic | add\_new\_topic(manager) | **9** |
| the selected topic existed in the db | the selected topic is deleted from the db | get to the question editor page  select a topic and click delete | remove\_existing\_topic\_fromDB(manager) | **10** |
| user is defined in the db as logged in | the user logs out  the user’s status updates in the db | click on the logout button | logout | **11** |