תרגיל בית 2:

מגישים:

נוי ביטון - 312238678

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דבי דובינקר - 318179033

אייל קובי - 209291418

נופר בן-סימון - 308468826

אילנית חנוכו - 208657320

תפקידים:

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

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 |

**טבלה מפורטת עברו איטרציה 1:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Executor** | **Task** | **Requirement** | **Iteration** |
|  |  |  | **Iteration 1** |
| UI developer  אילנית | Show Profile screen | Start the application |  |
| Backend developer  **נופר** | Add current game info to DB |  |  |
| Frontend developer  **דבי** | Display info |  |  |
| QA **נוי** | Acceptance Test |  |  |
| **נוי** QA | Login to the system |  |  |
| UI developer  **נופר** | Show subjects to play | Start game |  |
| Backend developer  **נופר** | Display tutorials from DB | Watching tutorials |  |
| Backend developer  **אייל** | Display questions from DB | Answering questions |  |
| Backend developer  **אייל** | Compare chosen answer of the player to the correct answer from the DB |  |  |
| Frontend developer  **דבי** | Display feedback to player answer |  |  |
| Frontend developer  **דבי** | Display player’s progress | Shows player’s profile |  |
| UI developer  אילנית | Display badges and achievements |  |  |
| Backend developer  **אייל** | Adds questions to DB | Updating available topics and questions in the DB (manager) |  |
| Backend developer  **אייל** | Remove questions from DB |  |  |
| Backend developer  **דולב** | Adds topics to DB |  |  |
| Backend developer  **דולב** | Remove topics from DB |  |  |
| Backend developer  **דולב** | Update existing questions from the DB |  |  |

**Acceptance Test:**

| **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** |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Precondition** | **Expected Result** | **Description** | **TestID** | **#** |
| 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** |
| 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** |
| none | a new topic is added to the game | get to the question editor page  add new topic | add\_new\_topic(manager) | **8** |
| 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) | **9** |
| 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 | **10** |

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| **הערת משוב** | **האם התבצע שינוי באפליקציה בעקבות ההערה?** | **נימוק** |
| הגודל של השאלות קטן מדי – לשנות את הפונט | יתבצע לקראת ההגשה הסופית | מפאת חוסר זמן |
| יש רק 10 שאלות – להרחיב את המאגר ולהגריל כל פעם 10 שאלות | כן |  |
| לשנות את הצבע של השאלה עצמה על מנת שיהיה בולט יותר | כן |  |
| להוסיף בגרף בסוף גם את מספר השאלות הלא נכונות | כן |  |