**המכללה האקדמית להנדסה בראודה**

**המחלקה להנדסת תוכנה - קורס מחשוב ענן**

**תרגיל בית 3 – עבודה בצוותים**

**מועד הגשה 24/3/24: , 23:55**

Khalid Sweid (Product Manager): 324264530

Safa Kheir (Backend developer): 322829102

Nabi Mari (Frontend developer): 316197490

Layan Madah (QA): 323068700

***The Main code (ClSearch):***

<https://drive.google.com/file/d/1aAoqQg2QGWDzBGQeq2UG37cR6IFT1Fdb/view?usp=sharing>

***The Secondary code (DB):***

<https://drive.google.com/file/d/1aAoqQg2QGWDzBGQeq2UG37cR6IFT1Fdb/view?usp=sharing>

* The secondary code is for creating database, we run it only one time before using the system, and it will fill the database, we can go as much as we want in depth, it help with time complexity, it will not increase time for searching links and save in database while the user using the system

In our project ZIP file, there are a file called:

cloudproject-1bbde-firebase-adminsdk-849hb-47666b58c8.json

this file is necessary and important to run the code, without this file the code will not run perfectly. In the ZIP file there are mp4 file called “How to run the code” that explains exactly how to run the code, also in תיק מתכנת file, we explained how to add this file and how to run the code.

***חלק ראשון: הגדרת SDP – software development plan – איטרציה 2***

|  |  |  |  |
| --- | --- | --- | --- |
| Executor | Task | Requirement | Iteration |
|  |  |  | Iteration 2 |
| Backend developer – Safa Khier | Implementing the rest of CISearch functionality and advanced search algorithms. | * Detailed specifications of pending functionalities. * Research on current advanced search algorithms applicable to CISearch. * Access to development and testing environments. |  |
| Frontend developer + Backend developer – Safa Khier + Nabi Mari | Upgrading CISearch with new search algorithms to make it more effective | * Comparative analysis of existing search algorithms vs. new candidates. * Benchmarks for current search performance to measure improvements. * Development resources familiar with algorithmic implementation. |  |
| Project Manager – Khalid Swaid | Leading sprint planning, daily standups, retrospectives, and review meetings to ensure the project stays on track and team members are aligned. | * Agile project management tools (e.g., JIRA, Trello). * Participation commitment from all team members. * Clear agenda for each meeting type and retrospectives. |  |
| UI developer - Nabi Mari | Integrating user feedback for UI/UX improvements | * System for collecting and analyzing user feedback (surveys, analytics tools). * UI/UX designer and frontend development team to implement changes. * A/B testing setup to evaluate improvements. |  |
| Backend developer - Safa Khier | Enhancing backend for better performance and scalability | * Performance benchmarks and scalability targets. * Access to cloud services or server infrastructure for scalability tests. * Backend development team with knowledge of performance optimization. |  |
| Backend developer - Safa Khier | Adding advanced search filters and result categorization | * User and market research to identify desired filters and categories. * Frontend and backend team coordination for implementing filters. * Updated database schema to support new categorization. |  |
| QA – Layan Amer | Running acceptance tests for overall system functionality | * Comprehensive test plan covering all system functionalities. * Quality Assurance (QA) team to execute acceptance tests. * Automated testing tools and environments. |  |
| Project Manager – Khalid Swaid | Creating a detailed project timeline with milestones for the introduction of new search algorithms, UI/UX enhancements, and backend upgrades. | * Project management software to track progress and milestones. * Input from all team leads to estimate task durations accurately. * Regular review meetings to update the timeline based on progress. |  |

***חלק שני: סגירת הפרויקט***

בחלק זה תכינו מסמכים המתארים את הפרויקט שלכם:

1. תיק מתכנת: The file is included in the ZIP file of the project
2. תיק משתמש: The file is included in ZIP file of the project
3. סרטון: ClSearch Preview mp4 file in ZIP file of the project



Double click to open (Or you can find the video in the ZIP file)

הוראות הגשה:

יש להגיש קובץ זיפ הכולל קובץ וורד ובו מענה לשאלות, כל המסמכים הנדרשים, הסרטון וקישור ל- notebook ובו הקוד שלכם.

כמו כן יש להגיש את הקובץ בתיקיית ה -GIT.

כותרתו של הקובץ תהיה id5\_id6\_HW3\_id1\_id2\_id3\_id4.

לא יינתן ציון לעבודה ללא ת.ז / ת.ז שגוייה.

העבודות חייבות להיות שונות. אנו מריצות תוכנה לבדיקת עבודות זהות. במידה ויהיה חשד להעתקה שתי העבודות יקבלו 0.

בהצלחה!

בהצלחה!