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| **المملكة العربية السعودية**  **وزارة التعليم العالي**  **جامعة الإمام محمد بن سعود الإسلامية**  **كلية علوم الحاسب والمعلومات** | A description...  **Second term 1441/2020** | **KINGDOM OF SAUDI ARABIA**  **Ministry of Higher Education**  **Al-Imam Mohammad University**  **College of Computer & Information Sciences** |
| **Software Engineering (CS- 310)**  **BSCS- Section: 1**71  **Project-Phase No: 0**  **Tasheel**  Submitted By | | |
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# **Introduction**

## **1.1 Main goal**

The main goal of Tasheel is to evaluate, review and suggest students' plans for their semester, so they can grant and get the highest grades during their time in college.

The following people use Tasheel:

* College of computer science and technology students.

## **1.2       Main functionalities:**

Tsaheel has two main functionalities.

1. Review and evaluate.
2. Autosuggest.

## **1.3 Who will use Tasheel and how is it going to be beneficial for them?**

Tasheel targets college of computer science students, since Tasheel project was inspired by Mojadwel website where it gives students the ability to enroll courses in easier way, so rather than looking for hours in hundreds of pages of documents, it will only take them few minutes, thus we decided to start Tasheel, students process of selecting courses will be much easier and everyone will have a clear insight of their semester. Before everyone thought that creating your own schedule and not following the default plan is dangerous and might affect their GPA, but with the use of Tasheel building your schedule is not risky anymore, a student will build his schedule based on his own criteria.

* 1. **A brief discerption about Tasheel’s functionalities:**

### **1.4.1 Review and evaluate**

Users will have the ability to select the courses that they want to have, and Tasheel will give them a review about it, the review is based on other students evaluation who have studied the same course before. Results will be shown as followed:

The courses you have chosen for this semester are:

|  |  |
| --- | --- |
| Theoretical | 70% |
| Problem solving | 10% |
| Memorizing | 20% |

**\*This is only an example**

### **Autosuggest**

Users have the ability to select all of their courses that they didn’t finish yet, and set special criteria such as:

1. 17 credit hours
2. 40% practical
3. 30% problem solving
4. 20% theoretical
5. 10% researching

Based on the given inputs, Tasheel create the most suitable schedule that suits their specifications, with the respect of pre-requests courses.

# **2. Expectations:**

# **2.1 Challenges that we might face:**

In this section we are viewing some of the challenges that we are expecting to have during the development and implementation phase, and how we are going to address them:

|  |  |  |
| --- | --- | --- |
| **Issue** | **Discerption** | **Suggested solution** |
| Collecting data | To start the website, we’re going to collect data from each student that they studied the course, we can’t do it based on assumptions or arbitrary data. | Given form for students to fill and evaluate the courses they had. |
| Changing Course’s content | In such case, that will cause a confusion to our gathered data which might imply and defect website’s functionalities. | Remove old course evaluations and replace them with new form. |
| Biased answers | Some students may evaluate the course based on their experience with the person that taught them the course, where evaluation was made for courses. | Biased answers that might affect the course evaluation will be eliminated. |
| Building the website | The project will not be functional if we did not build the website, and none of us is professional in website developing/designing, | As we planned in our milestone; building the website will not be immediately, thus we need to learn development and designing websites urgently. |

## **2.2 Intended Technologies:**

As the project grows, we will grow with it…

Initially the used language is going to be Java and we’re going to make CSV files as our first database that gives us the ability to write and read from it, in the future we will make a professional website using javascript, php and so on. then we will bind them with a the database, and in the future new functionalities will be added during the developing phase.

## **2.3 Project expected timeline and milestone:**

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# **3. Team members:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | skills | Hussain | Sattam | Abdullah | Mohammad | Auodh |
|  | GitHub account | <https://github.com/Hussain-369> | <https://github.com/sattamalhamidy> | <https://github.com/Abdullah-969> | <https://github.com/mrest1> | <https://github.com/Auodh-L> |
| 1 | Team leader | ✓ |  |  |  |  |
| 2 | designing |  | ✓ | ✓ |  | ✓ |
| 3 | Coding | ✓ | ✓ | ✓ | ✓ | ✓ |
| 4 | Tester |  | ✓ |  | ✓ | ✓ |
| 5 | sociability | ✓ |  |  | ✓ |  |
| 6 | Ambitious | ✓ | ✓ | ✓ | ✓ |  |
| 7 | Hard worker | ✓ | ✓ | ✓ | ✓ | ✓ |
| 8 | Fast learner | ✓ | ✓ | ✓ | ✓ | ✓ |
| 9 | Multi-Tasking | ✓ |  | ✓ |  |  |