WeBetterTogether

SE 305 – Software Specification and Design

Term Project Design Document

Hüseyin Özkoç

Murat Orkun Ozan

Ferda Nahit Fidancı

İrfan Yiğit Baysal

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1. Introduction

We create student information system which can be extremely beneficial for student and academician .In this project, We aim to create network between students and academicians. They are going to reach with each other very easily and rapidly with this app. Likewise, student can solve their problem untroubled way owing to application features. Moreover, academicians are going to resolve to students question and communicate with them because of our system.

2. Problem Definition

We decided to compose this project, because there are some kind of distinctive issues which are related with students and academicians. Furthermore, these problem might lead to some misunderstand and lack of communication among academicians and students, because most of the time students have many question for asking, and academicians do not have too much time for all students. Likewise, there is no effective communication network between academicians and students. Moreover, students generally cannot find answer of their questions. For that reason, this project will source of informations for students.

3. Proposed System Design

3.1. Requirements

Functional Requirements:

1. Students can share their questions.

2. Students can log into the system.

3. Academic staff can log into the system.

4. Students can answer the questions.

5. All users can comment the questions.

6. Academic staff can select the correct answer.

7. Students can ask the questions.

8. Student can search the questions.

Non-Functional Requirements:

1.The system allows the users to access the system via the web browsers.

2.Students can login with their ID’s and password.

3.Academic staff can login with their ID’s and password.

4.The most voted answer will be displayed top of the question’s comments.

5.The system is available 24 hours a day and 365 days a year.

6.The system provide multiple languages, for instance English and Turkish.

3.2. Context Model

C:\Documents and Settings\Administrator\Desktop\Image2.EMF

3.3. Data Flow Diagram

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3.4. Activity Diagrams

**Answer Question Activity Diagram**

**Functional Requirement No 4: Student can answer the question.**

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**Login Activity Diagram**

**Functional Requirement No 2,3 : Academician and student can log into the system.**

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**Diagram: Share Questions Activity Diagram**

**Functional Requirement No 1: Student can share the question.**

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**Ask Question Activity Diagram**

**Functional Requirement No 7 : Students can ask the question.**

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**Diagram: Search Question Activity Diagram**

**Functional Requirement No 8 : Student can search the question.**

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**Diagram: Comment Activity Diagram**

**Functional Requirement No 5 : All users can comment the question.**

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**Diagram: Correct Answer Activity Diagram**

**Functional Requirement No 6 : Academic staff can select the questions.**

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3.5. Use Cases

3.5.1. Actors

**Actors**

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3.5.2. Use Case Diagrams

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3.6. Class Diagrams

3.6.1. Class Diagram 1:

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3.7. E/R Diagrams

3.7.1. E/R Diagram 1:

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3.8. Sequence Diagrams

3.8.1. Sequence Diagram 1:

**Give Notification Sequence**

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**Search Question**

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**Ask Question Diagram**

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**AnswerQuestion**

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**Chat Sequence**



3.9. Communication Diagrams

3.9.1. Communication Diagram 1:

**Chat**

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**Answer Question**

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**Notification**

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**Question Diagram**

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**Question Search**

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4. Conclusion

As a conclusion, Our project become extremely useful application for all university. From now on, people can reach to information faster, and will communicate with each other very easily because of network of the our application.