Documentation of the program code [Uni Compass]

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History of technical documentation

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Version History

Version	Data	Author	Description
1.0	05/12/2024	Yana	-Intro -class diagram
2.0	06/12/2024	Yana	-Sequence Diagram
3.0	07/12/2024	Yana	-testing
4.0	09/12/2024	Yana	-Sample user interface
4.1	10/12/2024	Yana	-Minor edits on all sections

Content

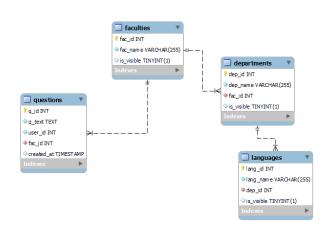
1	INT	RODUCTION	ERROR! BOOKMARK NOT DEFINED
2	DET	AILED DESIGN	ERROR! BOOKMARK NOT DEFINED
	2.1	Class diagramm	Error! Bookmark not defined
	2.2	Sequence diagram	Error! Bookmark not defined
	2.3	Sample user interface	Error! Bookmark not defined
3	TES	TING	ERROR! BOOKMARK NOT DEFINED

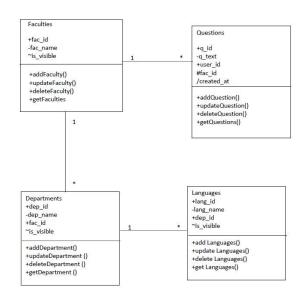
1 Introduction

The queries I've chosen involve Adding, Removing, and Modifying information involving faculties. The user stories I've chosen include **US4.11**, **US4.12**, **US4.13**

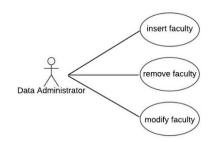
2 Detailed design

2.1 Class diagram

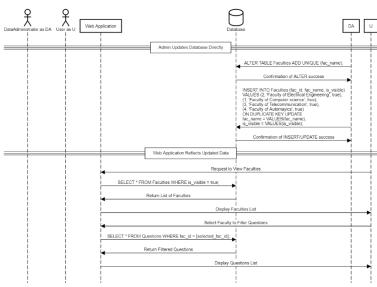




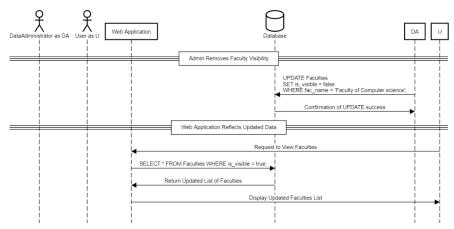
2.2 Sequence diagram



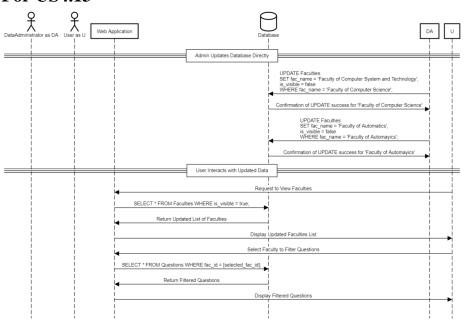
For US4.11



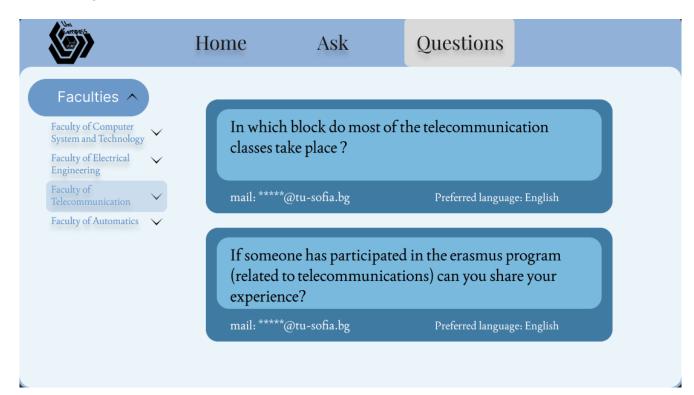
For US4.12

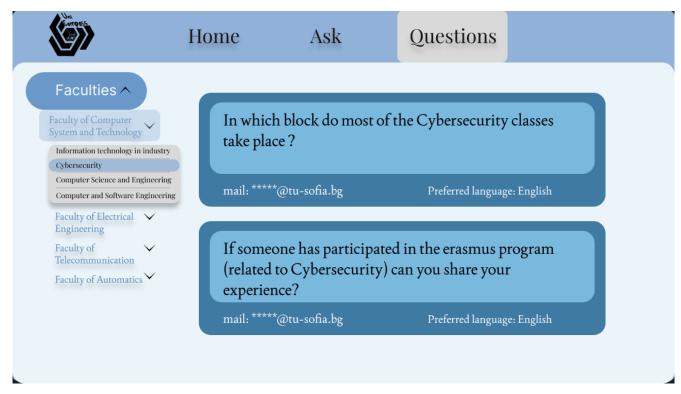


For US4.13



2.3 Sample user interface





3 Testing

For US4.11

This is the query for the first user story:

```
NALTER TABLE Faculties ADD UNIQUE (fac_name);

INSERT INTO Faculties (fac_id, fac_name, is_visible)
VALUES (2, 'Faculty of Electrical Engineering', true),
(1, 'Faculty of Computer science', true),
(3, 'Faculty of Telecommunication', true),
(4, 'Faculty of Automayics', true)
ON DUPLICATE KEY UPDATE
   fac_name = VALUES(fac_name),
   is_visible = VALUES(is_visible);
```

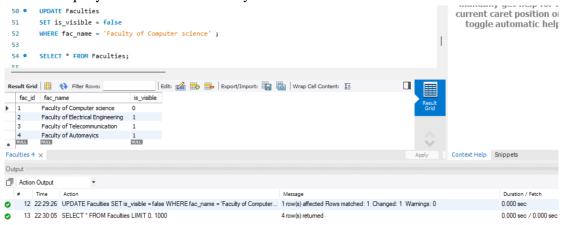
Which reveals that the administrator can add faculties into the database.

It runs smoothly as shown



For US4.12

This is the query for the second user story:



It reveals that the administrator can remove the faculty from the user's view. It doesn't delete it from the database completely but softly deletes it from the web system.

For US4.13

This is the query for the third user story:

UPDATE Faculties
 SET fac_name = 'Faculty of Computer System and Technology',
 is_visible = false
 WHERE fac_name = 'Faculty of Computer Science';
 UPDATE Faculties
 SET fac_name = 'Faculty of Automatics',
 is_visible = false
 WHERE fac_name = 'Faculty of Automayics';

The administrator can modify the faculties, keep all the information up to date and reliable.

