



Πανεπιστήμιο Κύπρου
Τμήμα Πληροφορικής

EPL425- INTERNET TECHNOLOGIES

GROUP PROJECT-INTERACT

Anastasia Yiannaki
Agathe Duboue
Marianna Hatzidemetriou
Sotia Gregoriou

D.3.1: Design and Implementation Report

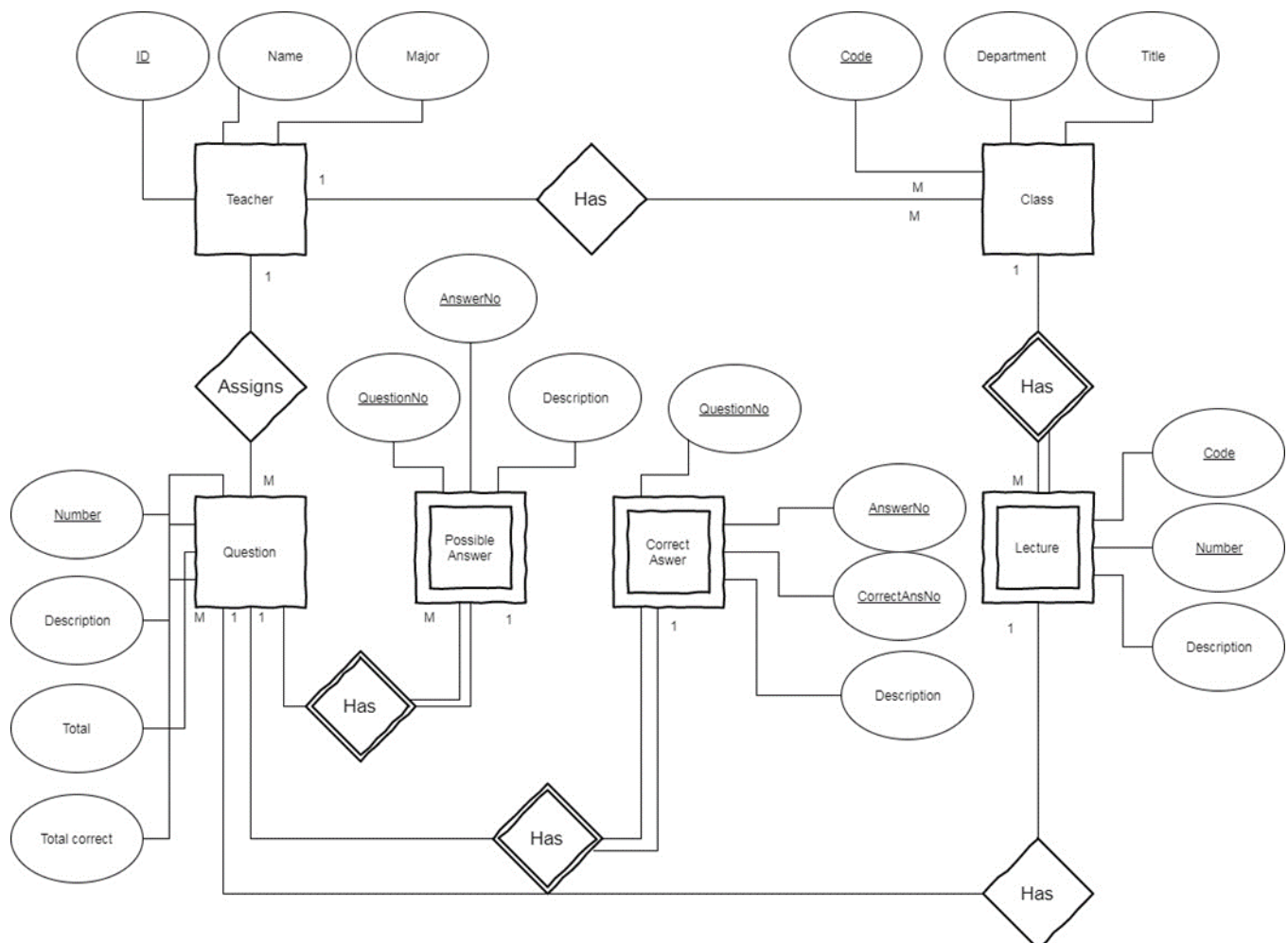
Project Goal and Approach:

Web application for professors and students, where students test their knowledge by answering questions created by professors for a particular lecture. Professors can add, edit and delete questions and answers at any time. Log in is needed for each processor and course key validation for each student. Every question has a limited time to be answered, which is assigned by the professor who created it and at the end of this time statistics about that question appear on the screen.

Technologies used:


- Xampp (local server)
- MySQL (database)
- HTML
- CSS
- JavaScript
- PHP

Database: (ER Diagram)





Database tables: (phpMyAdmin)



Teacher

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	TeacherID 	int(11)			No	None		AUTO_INCREMENT
2	TeacherName	varchar(20)	latin1_swedish_ci		No	None		
3	Username	varchar(10)	latin1_swedish_ci		No	None		
4	Password	varchar(10)	latin1_swedish_ci		No	None		

Course

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	Course_key 	int(11)			No	None		AUTO_INCREMENT
2	CCode	varchar(10)	latin1_swedish_ci		No	None		
3	Title	varchar(50)	latin1_swedish_ci		No	None		
4	TeacherID 	int(11)			No	None		




Lecture

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	LCode 	int(11)			No	None		AUTO_INCREMENT
2	Title	varchar(50)	latin1_swedish_ci		No	None		
3	Course_key 	int(11)			No	None		

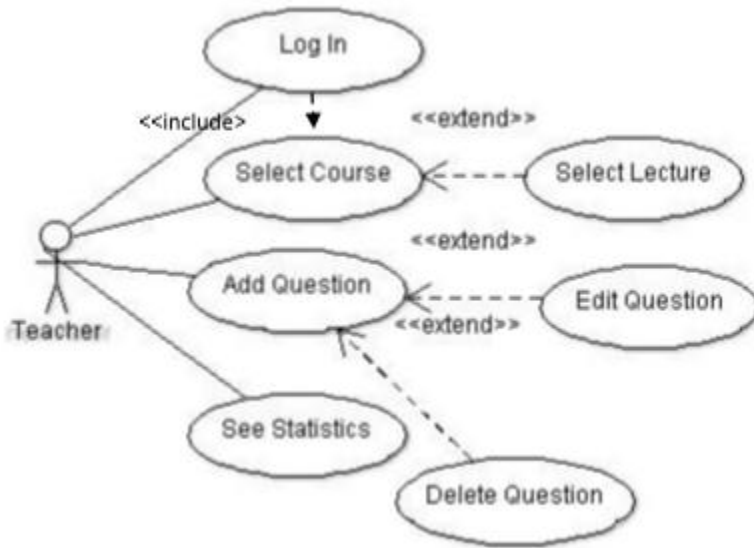
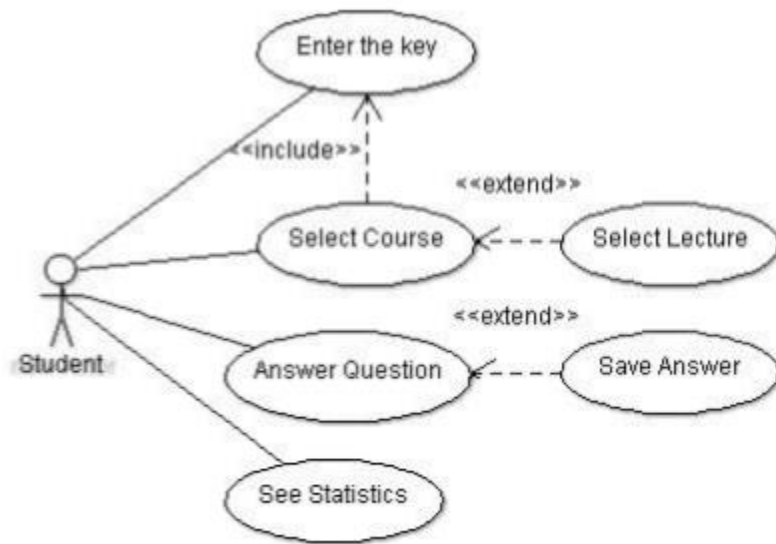
Question

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	QCode 	int(11)			No	None		AUTO_INCREMENT
2	Question	varchar(100)	latin1_swedish_ci		No	None		
3	LCode 	int(11)			No	None		
4	Time	int(11)			No	None		
5	Statistics	float			Yes	0		
6	TeacherID 	int(11)			No	None		
7	Total	int(11)			Yes	0		
8	Total_Correct	int(11)			Yes	0		

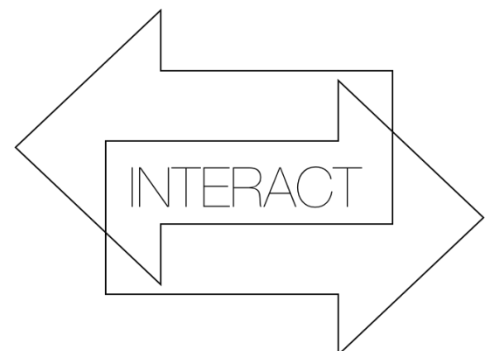
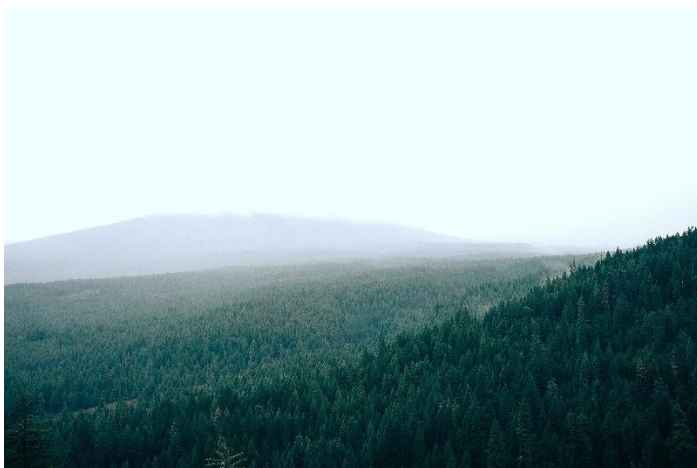
Possible_answer

#	Name	Type	Collation	Attributes	Null	Default	Comments	Extra
1	AnswerNo 	int(11)			No	None		AUTO_INCREMENT
2	TeacherID 	int(11)			No	None		
3	QCode 	int(11)			No	None		
4	Description	varchar(200)	latin1_swedish_ci		No	None		
5	Correct	bit(1)			No	None		

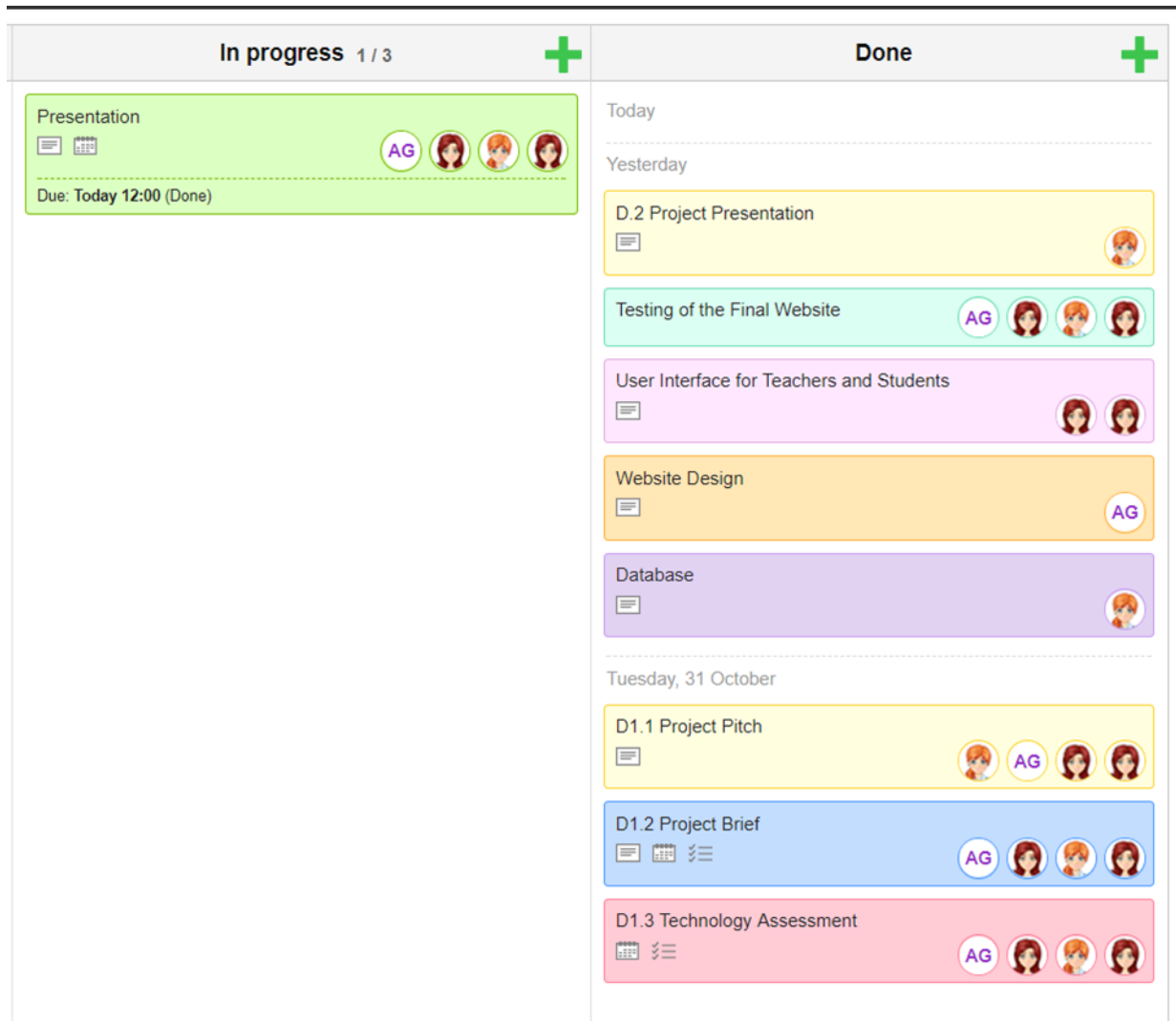
Use Cases:



Background Image and Logo:



Timeline and Communication: (KanbanFlow)



Used KanbanFlow to organise website design and implementation by creating deadlines for each task. Individual work on some tasks but also group work on others. This helped us achieve basic project goals.

Achievements and Evaluation:

- Easy to learn
- Efficient to use
- Easy to memorise
- Few errors
- User friendly