



FACULTY OF ENGINEERING, AIN SHAMS UNIVERSITY

COMPUTER SYSTEMS DEPARTMENT

DATABASE SYSTEMS

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Documentation on

[Portal web app between TAs and students]

By

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Acknowledgements

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Abstract

In this project we have implemented a web portal between students and TAs written in PHP and MYSQL language, in this web app each student will be able to login to his/her account to view the courses he/she enrolled in, also each student will be able to view resources uploaded by TAs including sheets, tutorials, videos and slides, each student will also have ability to send messages to any of TAs of the courses he/she enrolled in.

On the other hand each TA will have ability to upload resources including sheets, slides, videos and tutorials and will be able to view messages from student and respond to them.

System objective

Our project objective is to implement a web portal between students and TAs with PHP and MYSQL language so students can view their courses in which they are enrolled in, the app give the student to view and download the resources which is uploaded by TAs, the resources includes sheets, slides, tutorials, videos.

Students can also send messages to their TAs and the TAs will be able to respond to the messages as soon as they see them.

Our application has the following specifications:

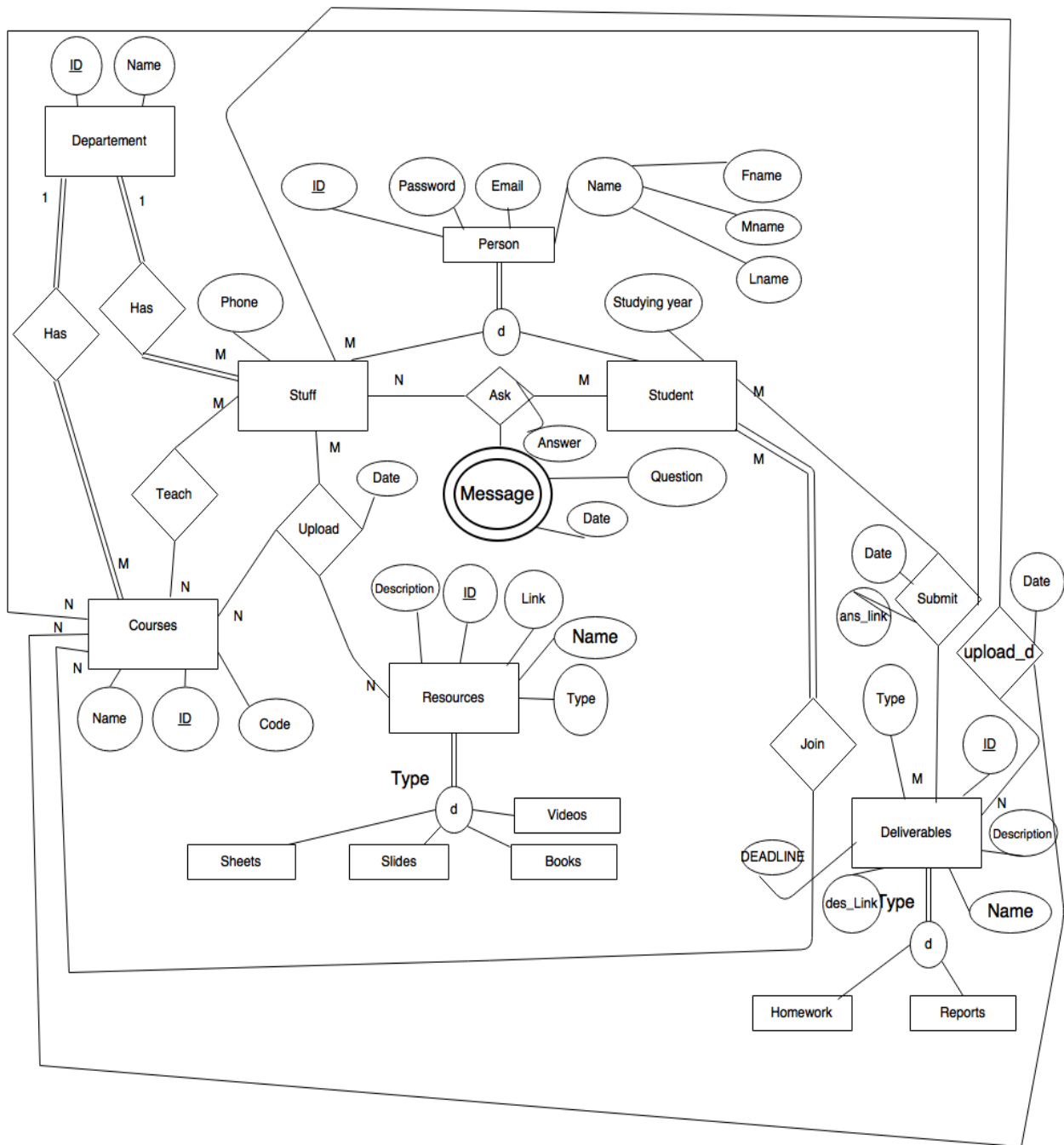
- Each student can log to his/her account by his/her email of college which is stored in database.
- Each TA has the ability to log in his/her account by his/her email of college.
- Each student after logging in will be redirected to his page which contain all the courses he/she enrolled in.
- Each student can download and view the resources which is uploaded by TAs.
- There is a list of deadlines that will appear to the students.
- Each TA will have ability to upload resources to the students.
- Each TA will have the ability to respond to the messages sent by students.

Design considerations

- The app is developed using native PHP language and MYSQL language.
- We use “Sublime” as a text editor.
- We used HTML, CSS, Bootstrap in designing our frontend.
- We used PHPmyadmin as a manager to our tables of database.
- We use Wamp as local server to run our web app.
- We used Github as version control in our implementation.

Application description

EER diagram



Tables:

Our database consists of 13 table as follows:

1. Ask

Database: college_portal, Table: ask

<u>s_id</u>	<u>t_id</u>	question	answer	created_at	updated_at
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Table structure for table ask

Column	Type	Null	Default
<i>s_id</i>	int(10)	No	
<i>t_id</i>	int(10)	No	
<i>question</i>	varchar(255)	No	
answer	varchar(255)	Yes	NULL
<i>created_at</i>	timestamp	No	0000-00-00 00:00:00
<i>updated_at</i>	timestamp	No	0000-00-00 00:00:00

2. Course

Database: college_portal, Table: course

<u>id</u>	<u>name</u>	<u>name_code</u>	<u>dep_id</u>
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Table structure for table course

Column	Type	Null	Default
<i>id</i>	int(10)	No	
name	varchar(255)	No	
name_code	char(6)	No	
dep_id	int(10)	No	

3. Deliverable:

Database: college_portal, Table: deliverable

id	name	brief_desc	des_link	deadline	type
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Table structure for table deliverable

Column	Type	Null	Default
<i>id</i>	int(11)	No	
name	varchar(255)	No	
brief_desc	varchar(255)	Yes	NULL
des_link	varchar(255)	Yes	NULL
deadline	varchar(255)	No	
type	varchar(255)	Yes	NULL

4. Department

Database: college_portal, Table: department

id	name
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Table structure for table department

Column	Type	Null	Default
<i>id</i>	int(10)	No	
name	varchar(255)	No	

5. Joined

Database: college_portal, Table: joined

student_id	c_id
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Table structure for table joined

Column	Type	Null	Default
<i>student_id</i>	int(10)	No	
<i>c_id</i>	int(10)	No	

6. Person

Database: college_portal, Table: person

id	email	password	fname	mname	lname
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Table structure for table person

Column	Type	Null	Default
<i>id</i>	int(10)	No	
email	varchar(255)	No	
password	varchar(255)	No	
fname	varchar(255)	No	
mname	varchar(255)	Yes	NULL
lname	varchar(255)	Yes	NULL

7. Resource

Database: college_portal, Table: resource

id	name	link	description	type
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Table structure for table resource

Column	Type	Null	Default
<i>id</i>	int(11)	No	
name	varchar(255)	No	
link	varchar(255)	No	
description	varchar(255)	Yes	NULL
type	varchar(255)	No	

8. Student

Database: college_portal, Table: student

p_id	studyingyear
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Table structure for table student

Column	Type	Null	Default
<i>p_id</i>	int(10)	No	
studyingyear	varchar(255)	No	

9. Stuff

Database: college_portal, Table: stuff

p_id	phone	dep_id
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Table structure for table stuff

Column	Type	Null	Default
<i>p_id</i>	int(10)	No	
phone	varchar(255)	No	
dep_id	int(10)	No	

10. Submit

Database: college_portal, Table: submit

sd_id	c_id	d_id	creatd_at	updated_at	ans_link
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Table structure for table submit

Column	Type	Null	Default
<i>sd_id</i>	int(11)	No	
<i>c_id</i>	int(11)	No	
<i>d_id</i>	int(11)	No	
creatd_at	timestamp	No	0000-00-00 00:00:00
updated_at	timestamp	No	0000-00-00 00:00:00
ans_link	varchar(255)	Yes	NULL

11. Teach

Database: college_portal, Table: teach

st_id	c_id
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Table structure for table teach

Column	Type	Null	Default
<i>st_id</i>	int(10)	No	
<i>c_id</i>	int(10)	No	

12. Upload_d

Database: college_portal, Table: upload_d

st_id	c_id	d_id	date
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Table structure for table upload_d

Column	Type	Null	Default
<i>st_id</i>	int(11)	No	
<i>c_id</i>	int(11)	No	
<i>d_id</i>	int(11)	No	
date	timestamp	No	0000-00-00 00:00:00

13. Upload_r

Database: college_portal, Table: upload_r

st_id	c_id	r_id	created_at	updated_at
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Table structure for table upload_r

Column	Type	Null	Default
<i>st_id</i>	int(11)	No	
<i>c_id</i>	int(11)	No	
<i>r_id</i>	int(11)	No	
created_at	timestamp	No	0000-00-00 00:00:00
updated_at	timestamp	No	0000-00-00 00:00:00