

TEAM AVENGERS PRESENTATION

Abdulrahman Iliyasu Illo – Student Class

Veer Singh – Course Class

Adewuyi Toluwamini – Teacher Class

Ngonidzashe Mafara – Exam Class

MEPTUN

- H2 database engine, Css, Java
- Our Project is a scaled-down version of “Neptun”, the administrative software used by the students and teachers of our university.
- Meptun lets the user see his/her basic information in the “Home” menu, all the messages sent by the administrators in “Messages”, all the courses the person has registered for in the “Courses” menu, the respective teachers and their email information under the “Teachers” menu , list of all the exams taken by the particular student under “Exam” menu and finally a “Forum” to discuss topics with other students.

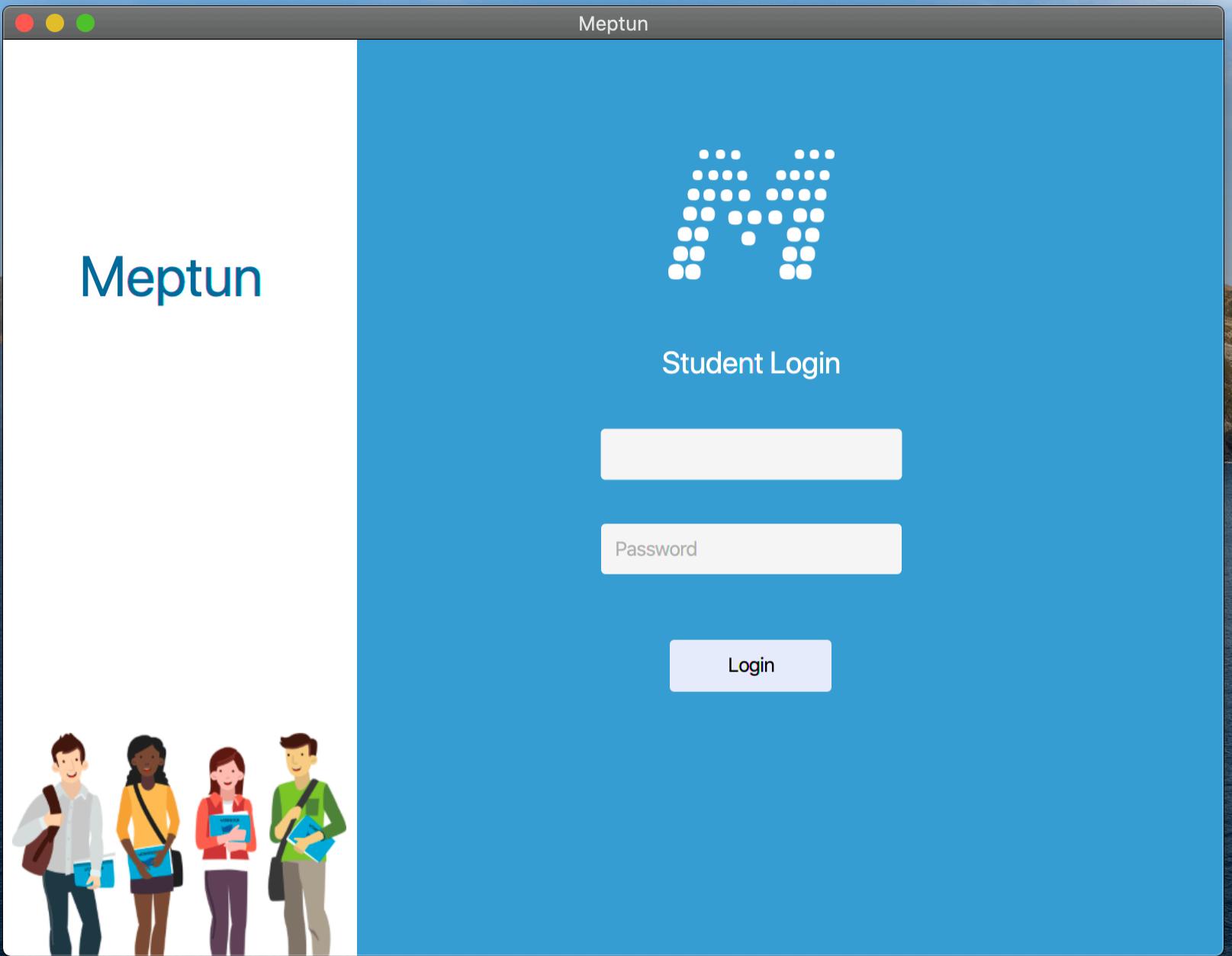
LOGIN SCREEN

Meptun account Class

Username

Password

Meptun account DAO for database Access



Sem 4 notes

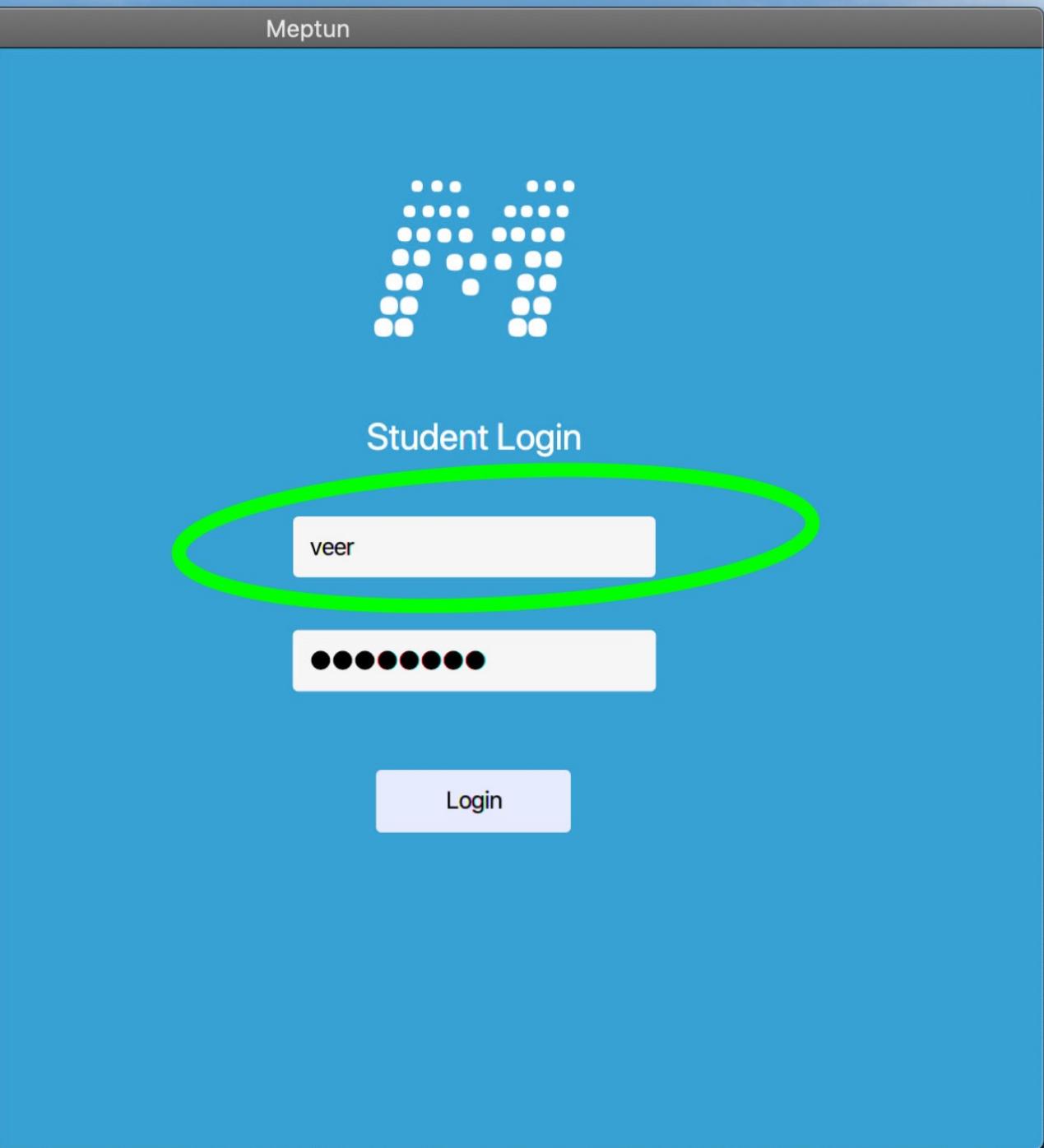


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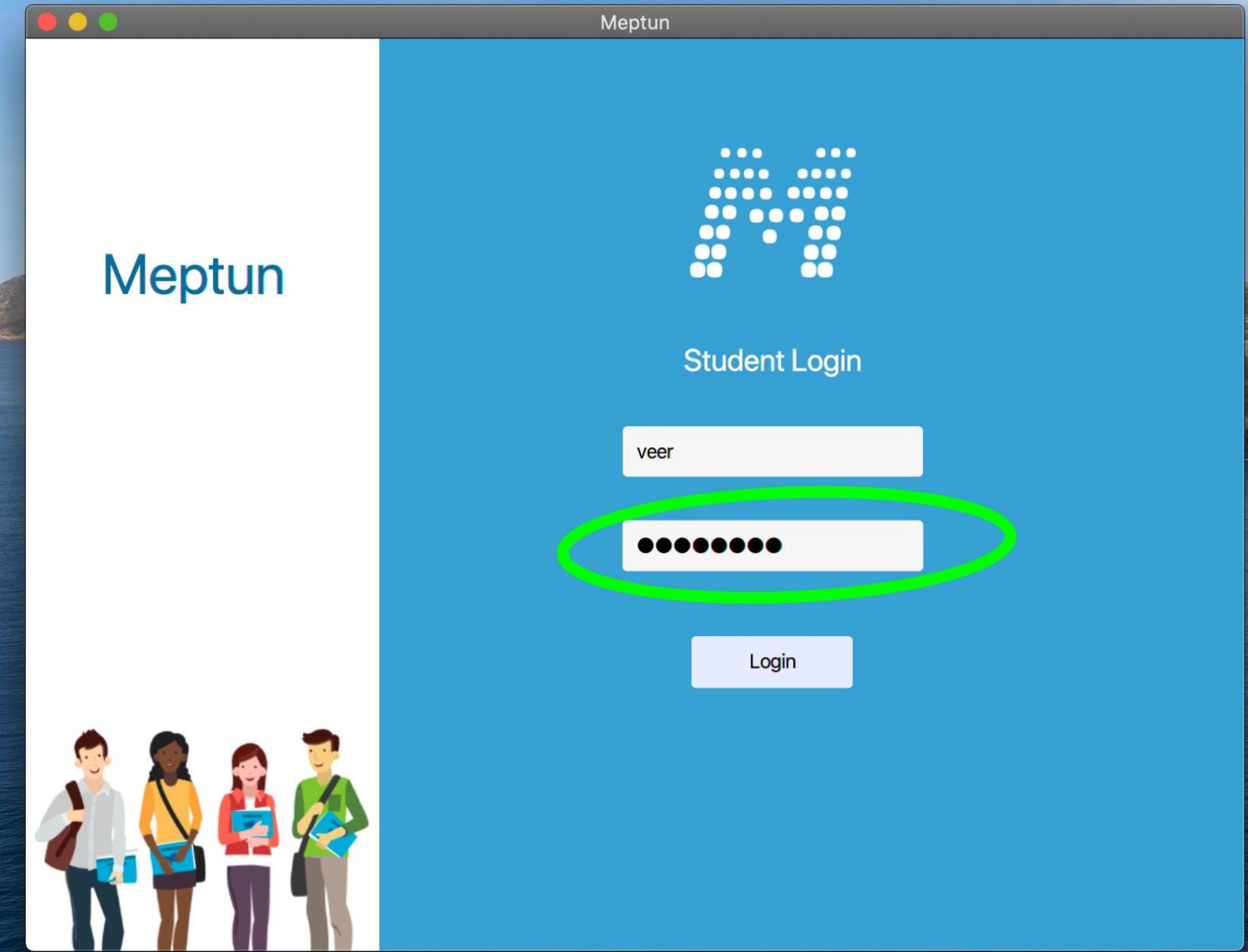


SoftDev Pres
midterm.pptx

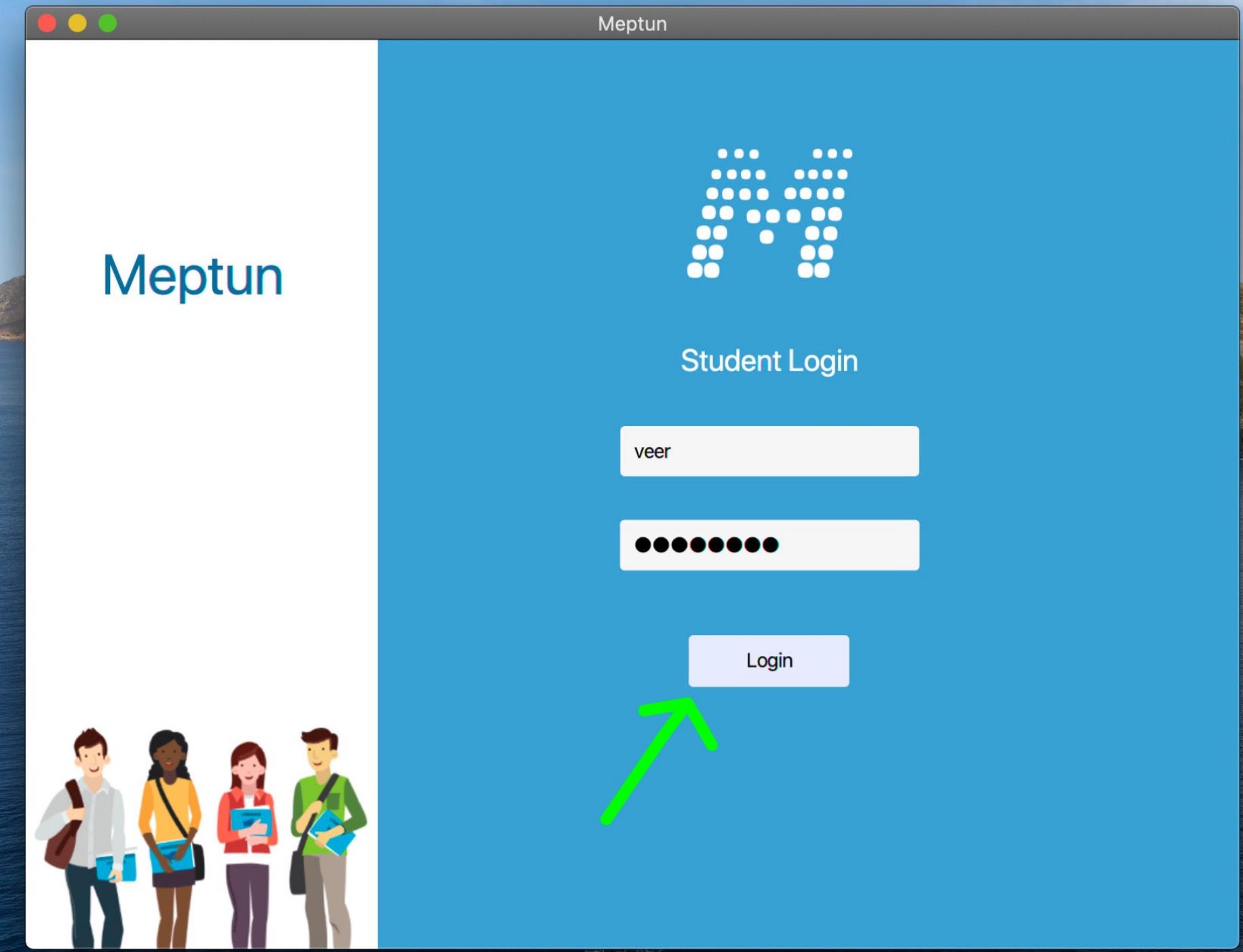
Meptun



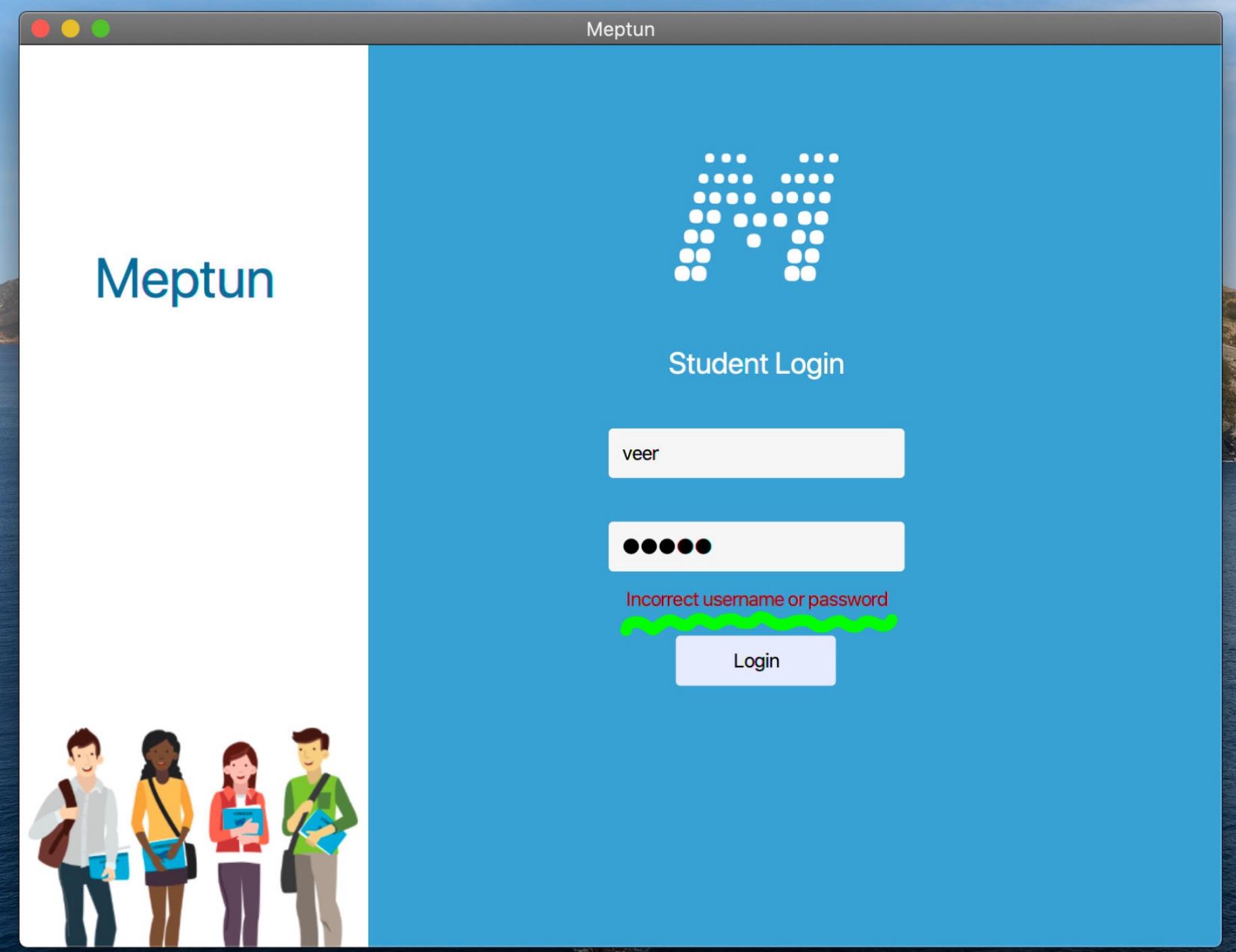
The student
enters his/her
“Username”



The student
enters his/her
“Password”



And then
clicks on
“Login”



In case of incorrect username/password, the application lets the user know

HOME SCREEN

Student class

Name

Email

major

DOB

Meptun account

Student DAO for database access

Meptun

Dark Mode Logout

Home

CR97JH

Your Info

Name	Veer
email	veersinghsoftdev2020@gmail.com
Major	Computer Science Eng
DOB	2020-05-12

Edit data

School Info

Total Courses Taken	3
Total Credits Taken	35
Total Exams Taken	3

Home Messages Courses Teachers Exams Forum



Sem 4 notes



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Screenshot
2020-...8.41 AMSoftDev Pres
midterm.pptx

Home

Your Info

Name Veer
email veersinghsoftdev2020@gmail.com
Major Computer Science Eng
DOB 2020-05-12

CR97JH

Edit data

School Info

Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3

The first screen after logging in is the "Home" screen where we see basic data like name, email, meptun code etc. of the student

[Dark Mode](#)[Logout](#)

Home

CR97JH

Your Info

Name Veer

email veersinghsoftdev2020@gmail.com

Major Computer Science Eng

DOB 2020-05-12

[Edit data](#)

School Info

Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3

Pressing
“Dark Mode”
enables a dark
theme to the
entire UI

The screenshot shows a dark-themed application window titled "Meptun". At the top right, there are "Light Mode" and "Logout" buttons. The main area features a large "Home" title and a user identifier "CR97JH". On the left, a vertical navigation menu lists "Home", "Messages", "Courses", "Teachers", "Exams", and "Forum". The "Teachers" section is expanded, showing "Your Info" with fields: Name (Veer), email (veersinghsoftdev2020@gmail.com), Major (Computer Science Eng), and DOB (2020-05-12). An "Edit data" button is located next to the Major field. The "School Info" section below shows statistics: Total Courses Taken (3), Total Credits Taken (35), and Total Exams Taken (3).

Home

CR97JH

Your Info

Name	Veer
email	veersinghsoftdev2020@gmail.com
Major	Computer Science Eng
DOB	2020-05-12

Edit data

School Info

Total Courses Taken	3
Total Credits Taken	35
Total Exams Taken	3

Which looks
like this

The screenshot shows the Meptun application interface. At the top, there is a blue header bar with three dots on the far left. In the center of the header is the text "Meptun". To the right of the header are two buttons: "Dark Mode" and "Logout". A green circle highlights the "Logout" button. Below the header is a large white area containing the word "Home" in a large blue font. To the right of "Home" is a large blue text "CR97JH". On the left side of the main content area, there is a vertical blue sidebar with a white background. The sidebar contains the following menu items: "Home", "Messages", "Courses", "Teachers", "Exams", and "Forum". The "Home" item is currently selected and has a white background. In the main content area, under "Your Info", there is a table with the following data:

Name	Veer
email	veersinghsoftdev2020@gmail.com
Major	Computer Science Eng
DOB	2020-05-12

Next to the table is a blue button labeled "Edit data". Under "School Info", there are three pieces of information: "Total Courses Taken 3", "Total Credits Taken 35", and "Total Exams Taken 3".

Pressing the “Logout” button returns us to the Login screen and can be used by a different student

Home

CR97JH

Your Info

Name Veer

email veersinghsoftdev2020@gmail.com

Major Computer Science Eng

DOB 2020-05-12

Edit data

School Info

Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3

- Home
- Messages
- Courses
- Teachers
- Exams
- Forum

This is the side-menu where we can easily jump to a different category like Teachers or Exams

Home

Your Info

Name Veer

email veersinghsoftdev2020@gmail.com

Major Computer Science Eng

DOB 2020-05-12

CR97JH

Edit data

School Info

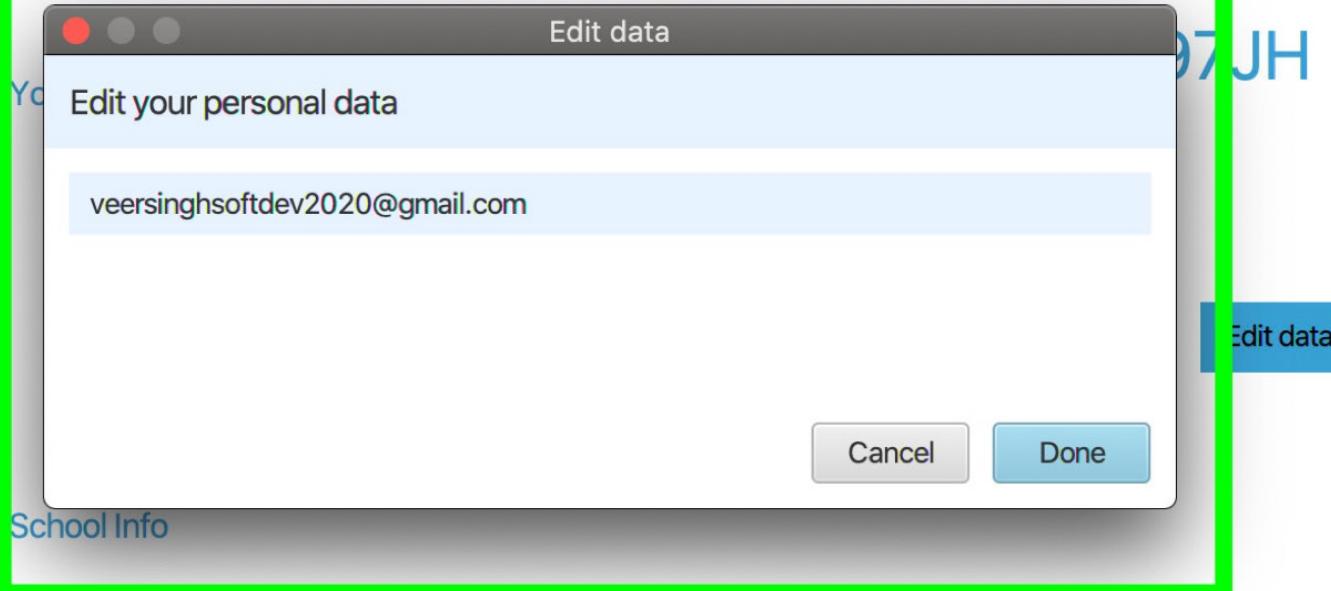
Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3

The “edit data” button can be used to edit the email of the student

Home

[Home](#)[Messages](#)[Courses](#)[Teachers](#)[Exams](#)[Forum](#)

School Info

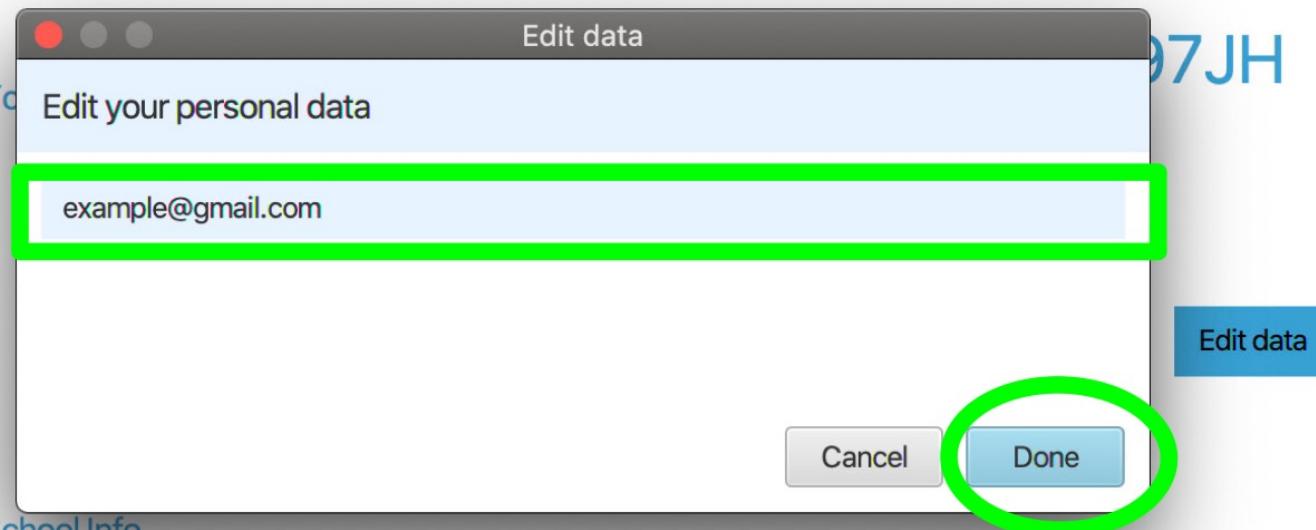
Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3

Pressing it
will open a
portal like
this

Home

[Home](#)[Messages](#)[Courses](#)[Teachers](#)[Exams](#)[Forum](#)

By editing in the given box and pressing “done” the changes will reflect

Home

CR97JH

Your Info

Name Veer

email example@gmail.com

Major Computer Science Eng

DOB 2020-05-12

Edit data

School Info

Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3

And now the new email address is shown on the home screen

Home

[Home](#)[Messages](#)[Courses](#)[Teachers](#)[Exams](#)[Forum](#)

Edit data

Edit your personal data

97JH

Cancel Done Edit data

School Info

Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3

If however
the student
leaves this
field blank

Home

[Home](#)[Messages](#)[Courses](#)[Teachers](#)[Exams](#)[Forum](#)

Your Info

Name

email

Major

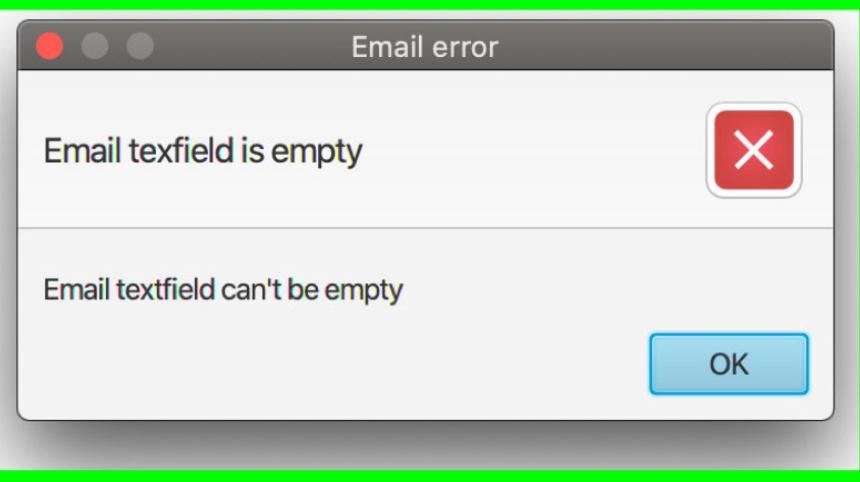
DOB

School Info

Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3



CR97JH

Edit data

This error message pops up, letting the user know that the field cant be left empty

Home

CR97JH

Your Info

Name	Veer
email	veersinghsoftdev2020@gmail.com
Major	Computer Science Eng
DOB	2020-05-12

Edit data

School Info

Total Courses Taken 3

Total Credits Taken 35

Total Exams Taken 3

And the
email reverts
back to the
previously
saved email

MESSAGES

Message Class

Message Sender

Message Recipient

Message Subject

Send Date

Message body

Meptun

Dark Mode Logout

Messages

Meptun
Congratulations!
tuesday, 14:27

Meptun
Soft Dev for Eng
tuesday, 14:27

Kocics Gergely
Congratulations!
tuesday, 14:27

Hello world, hi. This is a test for messages don't waste your time reading it, well it seems you are already wasting your time reading it. Well good luck then.



Sem 4 notes



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SoftDev Pres [final].pptx

A screenshot of a web application interface titled "Meptun". The left sidebar contains navigation links: Home, Messages (which is selected and highlighted with a green border), Courses, Teachers, Exams, and Forum. The main content area is titled "Messages". It displays a list of messages from "Meptun" and "Kocics Gergely". Each message includes the sender's name, subject, and timestamp. The message from Meptun reads: "Hello world, hi. This is a test for messages don't waste your time reading it, well it seems your are already wasting your time reading it. Well good luck then." The message from Kocics Gergely reads: "Congratulations!". The application has a "Dark Mode" button and a "Logout" link in the top right corner.

Meptun

Dark Mode Logout

Home

Messages

Courses

Teachers

Exams

Forum

Messages

Meptun
Congratulations!
tuesday, 14:27

Meptun
Soft Dev for Eng
tuesday, 14:27

Kocics Gergely
Congratulations!
tuesday, 14:27

Hello world, hi. This is a test for messages don't waste your time reading it, well it seems your are already wasting your time reading it. Well good luck then.

This is a custom list view which has its own separate class that handles what information is displayed on the list, it shows the sender name, subject and the time of the message

The screenshot shows a web-based application window titled "Meptun". The top navigation bar includes "Dark Mode" and "Logout" buttons. On the left, a vertical sidebar lists "Home", "Messages" (which is selected and highlighted in blue), "Courses", "Teachers", "Exams", and "Forum". The main content area is titled "Messages". It displays a list of messages from "Meptun" and "Kocics Gergely". A message from "Meptun" is selected and highlighted with a green border. The selected message content is: "Hello world, hi. This is a test for messages don't waste your time reading it, well it seems your are already wasting your time reading it. Well good luck then."

When we select any message from the list we can see its message here

COURSES

Course Class

Course ID

Course Type

Course Name

Course Credits

Course DAO for database access

The image shows a macOS desktop environment with a blue-themed window titled "Meptun". The window has a dark mode switch and a "Logout" button in the top right corner. On the left, a vertical sidebar lists navigation options: Home, Messages, Courses (which is selected), Teachers, Exams, and Forum. The main content area displays a table of courses with columns for ID, Name, Credits, and Course Type. The table contains three rows: "IK-SDFE" (Soft-Dev for Eng, 3 credits, SEMINAR), "IK-CSFE" (Control Systems, 6 credits, SEMINAR), and "IK-SPFE" (System Programming, 3 credits, SEMINAR). To the right of the table are two buttons: "Add Courses" and "Deregister". The desktop background features a scenic view of a rocky coastline and the ocean.

Courses

ID	Name	Credits	Course Type
IK-SDFE	Soft-Dev for Eng	3	SEMINAR
IK-CSFE	Control Systems	6	SEMINAR
IK-SPFE	System Programming	3	SEMINAR

Add Courses

Deregister



Sem 4 notes



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SoftDev Pres [final].pptx

Under the courses category we can see all the courses taken by the student and also arrange them by ID, Name, Credits and Course Type

The screenshot shows the Meptun application interface. On the left is a vertical sidebar with navigation links: Home, Messages, Courses (which is the active tab), Teachers, Exams, and Forum. The main content area has a title 'Courses' and displays a table of courses. The table has columns for ID, Name, Credits, and Course Type. Three rows are visible: 'IK-SDFE' (Soft-Dev for Eng, 3 credits, SEMINAR), 'IK-CSFE' (Control Systems, 6 credits, SEMINAR), and 'IK-SPFE' (System Programming, 3 credits, SEMINAR). A green rectangular box highlights the entire table area. In the top right corner of the main window, there are 'Dark Mode' and 'Logout' buttons. The top center of the window says 'Meptun'.

ID	Name	Credits	Course Type
IK-SDFE	Soft-Dev for Eng	3	SEMINAR
IK-CSFE	Control Systems	6	SEMINAR
IK-SPFE	System Programming	3	SEMINAR

Add Courses Deregister

Courses

[Home](#)[Messages](#)[Courses](#)[Teachers](#)[Exams](#)[Forum](#)

ID	Name	Credits	Course Type	
IK-SDFE	Soft-Dev for Eng	3	SEMINAR	
IK-CSFE	Control Systems	6	SEMINAR	
IK-SPFE	System Programming	3	SEMINAR	

[Add Courses](#)[Deregister](#)

The student can add new courses or deregister from any subject

[Home](#)[Messages](#)[Courses](#)[Teachers](#)[Exams](#)[Forum](#)

Courses

Course Registration

Select course to register

Web Solutions

Cancel Register

IK-CSFE Control Systems 6 SEMINAR

**Clicking on
"Add
Courses"
button
opens this
portal**

Meptun

Dark Mode Logout

Home

Messages

Courses

Teachers

Exams

Forum

Courses

Course Registration

Select course to register

- Web Solutions
- Web Solutions
- Ping Pong
- Signal And Systems
- Computer Networks
- Football
- Enterprise Information System
- Soft-Dev for Eng
- Control Systems
- System Programming

Add Courses

Deregister

Register

The screenshot shows a user interface for course registration. On the left, a vertical sidebar lists navigation options: Home, Messages, Courses, Teachers, Exams, and Forum. The 'Courses' option is selected and highlighted in blue. The main content area has a title 'Courses' and a sub-section titled 'Course Registration'. A sub-section titled 'Select course to register' contains a list of course names. One course, 'Web Solutions', is listed twice. The list also includes 'Ping Pong', 'Signal And Systems', 'Computer Networks', 'Football', 'Enterprise Information System', 'Soft-Dev for Eng', 'Control Systems', and 'System Programming'. A green rectangular box highlights the entire list of courses. To the right of the list are three buttons: 'Add Courses' (blue), 'Deregister' (light blue), and 'Register' (light blue). The background features a faint image of a coastal landscape.

Here the student gets a list of all subjects he/she can register for

Meptun

Dark Mode Logout

Home

Messages

Courses

Teachers

Exams

Forum

Courses

Course Registration

Select course to register

Ping Pong

Add Courses

Deregister

Cancel Register

IK-CSFE Control Systems 6 SEMINAR

The student can select any course they want and then click on register to add it to their subject list

Courses

[Home](#)[Messages](#)[Courses](#)[Teachers](#)[Exams](#)[Forum](#)

ID	Name	Credits	Course Type ▲	
IK-SDFE	Soft-Dev for Eng	3	SEMINAR	Deregister
IK-SPFE	System Programming	3	SEMINAR	
IK-CSFE	Control Systems	6	SEMINAR	
IK-IPE	Ping Pong	0	PE	

And it
appears here

Courses

Home

Messages

Courses

Teachers

Exams

Forum

Select course to deregister

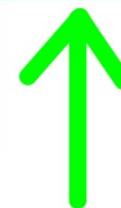
Soft-Dev for Eng

Cancel

Deregister

Add Courses

Deregister



IK-CSFE

Control Svstems

6

SEMINAR

IK-IPE

Ping Pong

0

PE

Clicking on
"deregister"
opens this
portal

Meptun

Dark Mode Logout

Courses

Course Deregistration

Select course to deregister

- Soft-Dev for Eng
- Soft-Dev for Eng
- Control Systems
- System Programming
- Ping Pong

Add Courses

Deregister

Deregister

IK-SPFF	Svstem Programming	3	SEMINAR
IK-IPE	Ping Pong	0	PE

Home

Messages

Courses

Teachers

Exams

Forum

The screenshot shows a student dashboard titled 'Meptun'. On the left, a vertical sidebar lists navigation options: Home, Messages, Courses (which is selected and highlighted in blue), Teachers, Exams, and Forum. The main content area has a light blue header with 'Meptun' and two buttons: 'Dark Mode' and 'Logout'. Below the header, the title 'Courses' is displayed in large blue text. A modal window titled 'Course Deregistration' is open, prompting the user to 'Select course to deregister'. It lists several courses: 'Soft-Dev for Eng', 'Control Systems', 'System Programming', and 'Ping Pong'. The first two items are listed twice. A green rectangular box highlights the list of courses. To the right of the list is a 'Deregister' button. Outside the modal, on the right side of the main content area, are two more buttons: 'Add Courses' and 'Deregister'. At the bottom of the main content area, there is a table with four columns: 'IK-SPFF', 'Svstem Programming', '3', and 'SEMINAR'. Below this table is another row with 'IK-IPE', 'Ping Pong', '0', and 'PE'.

Here the student gets a list of all the subjects the student is registered to

Meptun

Dark Mode Logout

Courses

Course Deregistration

Select course to deregister

System Programming

Add Courses

Deregister

Cancel Deregister

IK-SPFE	System Programming	3	SEMINAR
IK-IPE	Ping Pong	0	PE

The student can then select the unwanted subject and press “Deregister”

This screenshot shows a student's dashboard titled 'Courses'. A modal window titled 'Course Deregistration' is open, prompting the student to 'Select course to deregister'. A dropdown menu shows 'System Programming' selected. To the right of the modal are two buttons: 'Add Courses' and 'Deregister'. Below the modal, a table lists two courses: 'IK-SPFE' (System Programming) with a credit value of 3 and 'SEMINAR', and 'IK-IPE' (Ping Pong) with a credit value of 0 and 'PE'. A green box highlights the 'Deregister' button in the modal window.

The student can then select the unwanted subject and press “Deregister”



Home

Messages

Courses

Teachers

Exams

Forum

Courses

ID	Name	Credits	Course Type	
IK-SDFE	Soft-Dev for Eng	3	SEMINAR	
IK-CSFE	Control Systems	6	SEMINAR	
IK-IPE	Ping Pong	0	PE	

Add Courses

Deregister

And now the subject is removed from the student's subject list