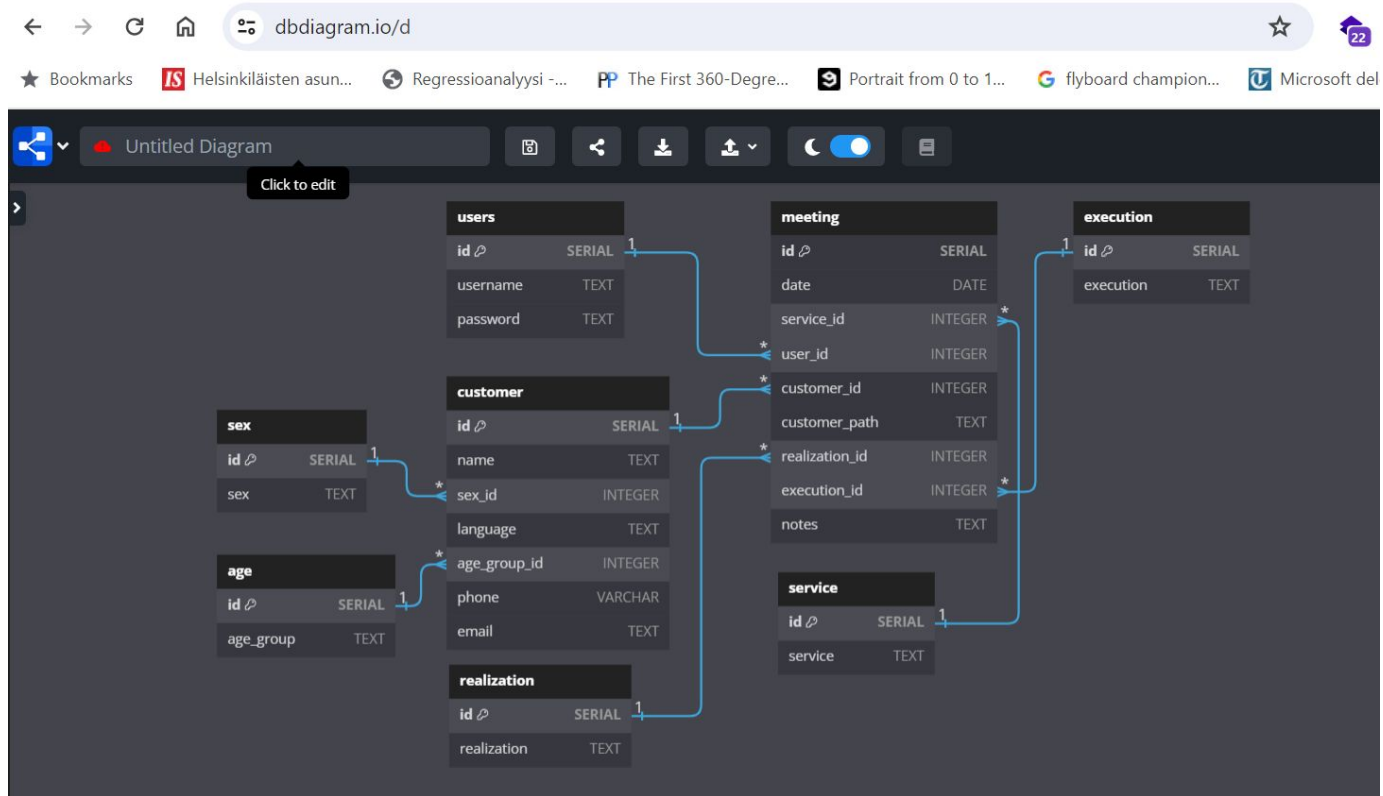


Database ER and user interface of the app

January 8. 2024, Sami Lähde

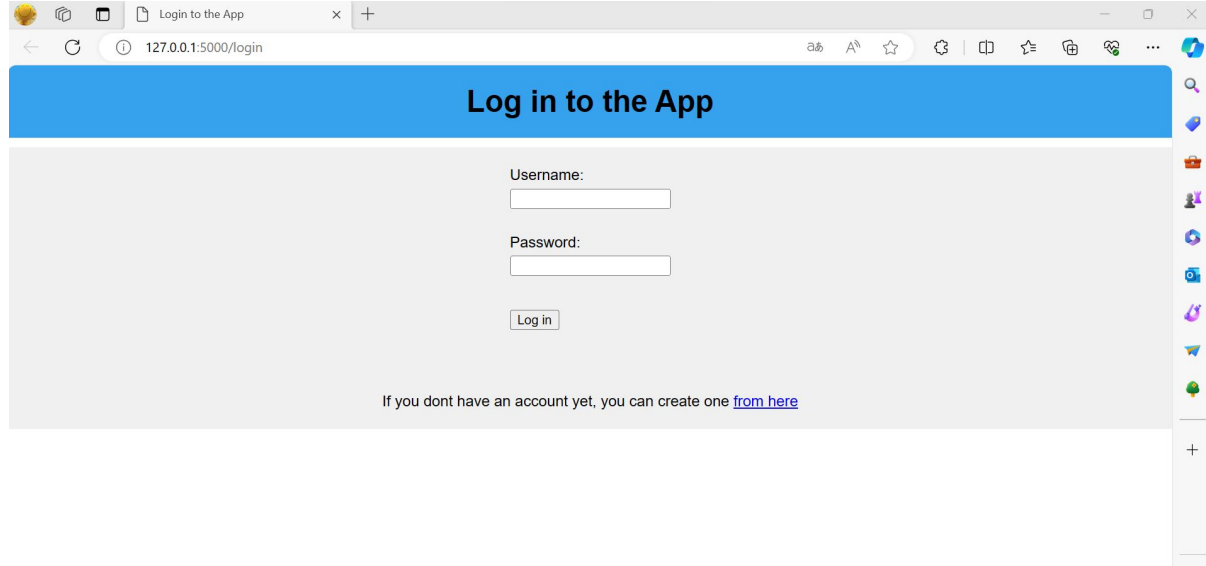
Databases Entity-Relationship Diagram



Login page

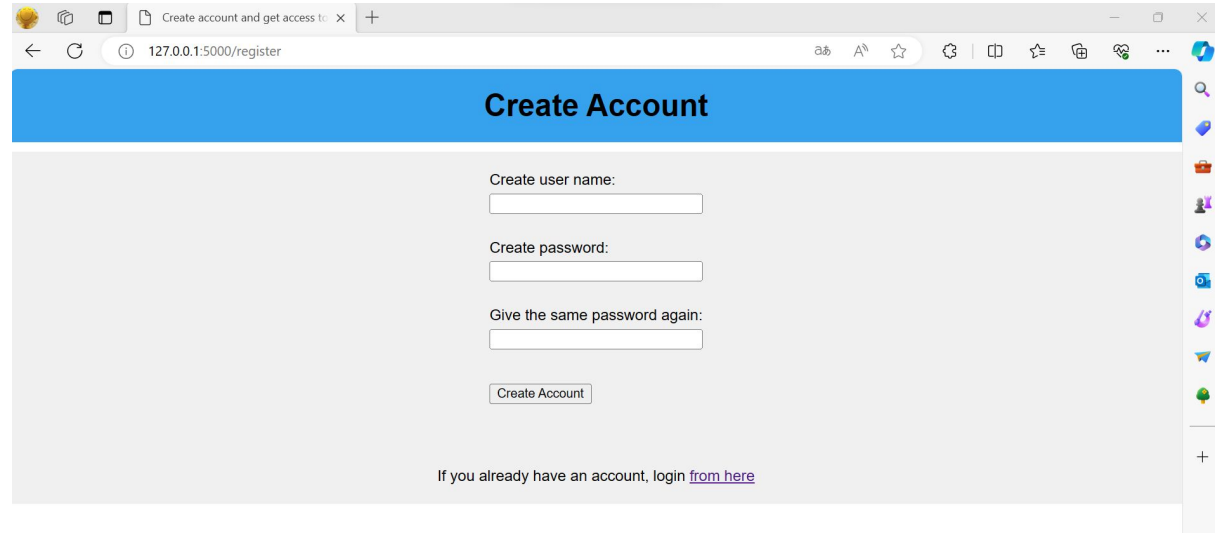
Passwords are saved to the database as a hash value (Flask's Werkzeug library)

```
from werkzeug.security import  
check_password_hash,  
generate_password_hash
```



The screenshot shows a web browser window with the title 'Login to the App'. The address bar displays '127.0.0.1:5000/login'. The page has a blue header with the text 'Log in to the App'. Below the header, there is a light gray background containing a login form. The form has two input fields: 'Username:' and 'Password:'. Below the 'Password:' field is a 'Log in' button. At the bottom of the form, there is a link: 'If you dont have an account yet, you can create one [from here](#)'.

Create account page



Create account and get access to: x

127.0.0.1:5000/register

Create Account

Create user name:

Create password:

Give the same password again:

Create Account

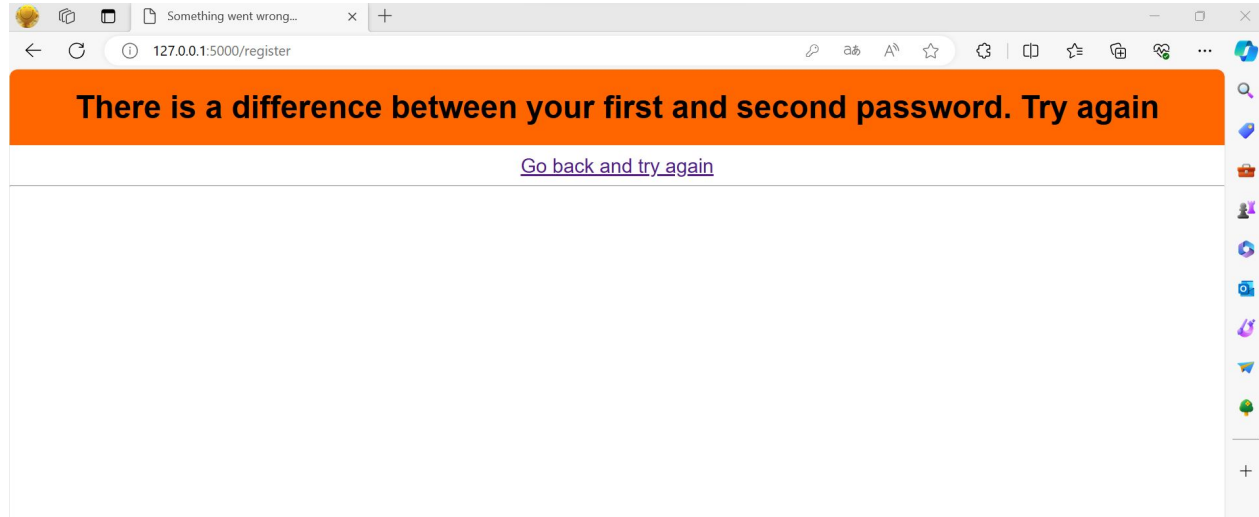
If you already have an account, login [from here](#)

Error messages

Error messages are shown in the browser if login to the page or user account creation fails.

One example on the right hand side.

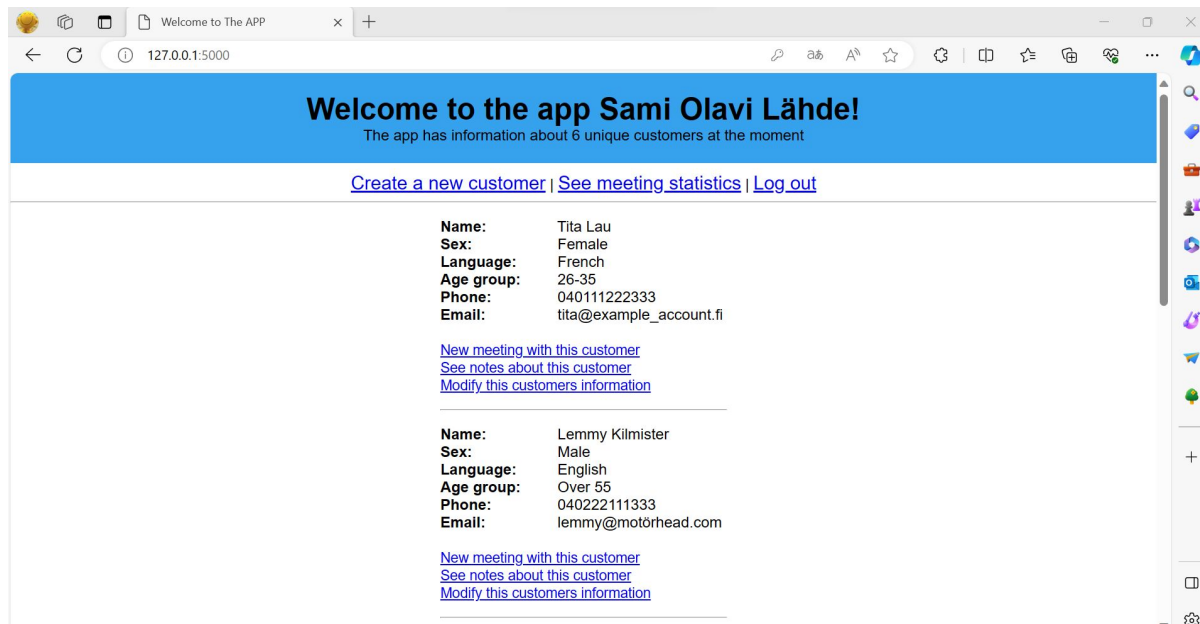
After login user can get error messages too for guidance.



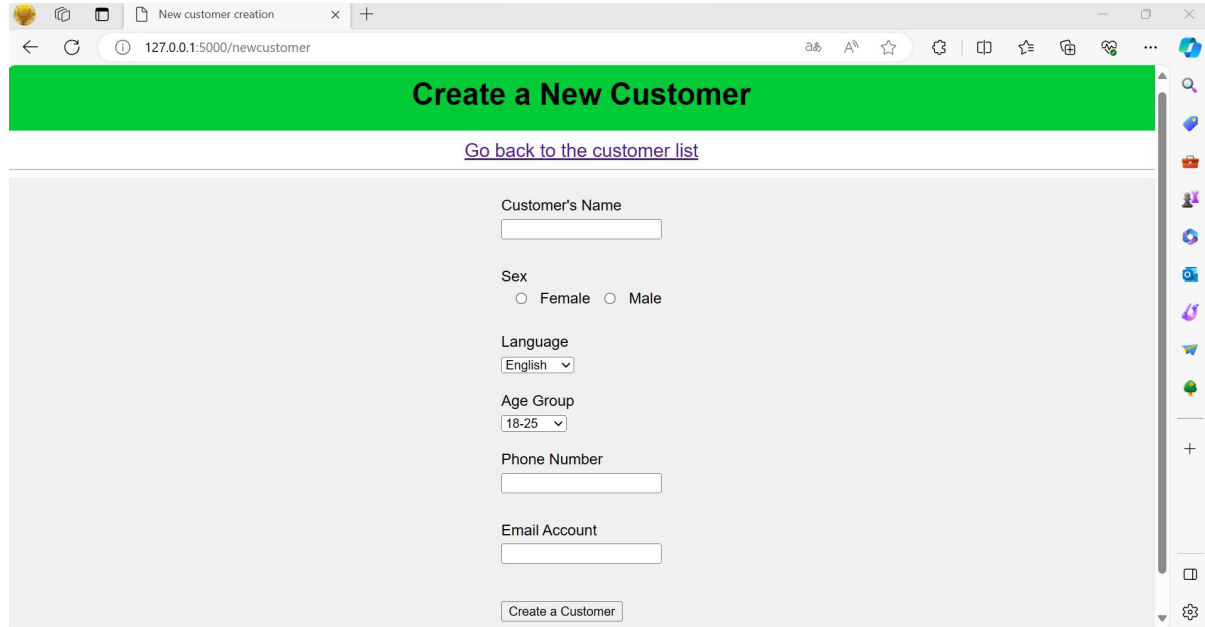
Front page and its functionality

From the front page user can:

- create a new customer
- create a new meeting with a existing customer
- modify existing customers information
- see notes from previous meetings
- see statistics from previous meetings
- see how many unique customers database has
- log out



New customer creation page



New customer creation

127.0.0.1:5000/newcustomer

Create a New Customer

[Go back to the customer list](#)

Customer's Name

Sex
☐ Female ☐ Male

Language
English ▾

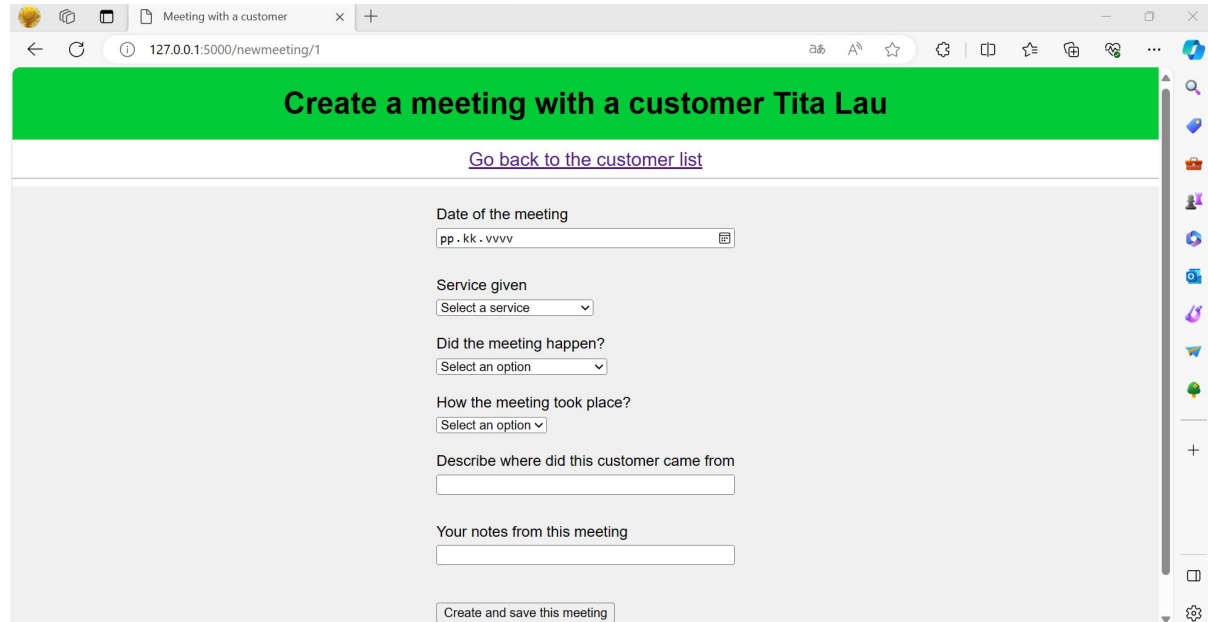
Age Group
18-25 ▾

Phone Number

Email Account

Create a Customer

New meeting creation page



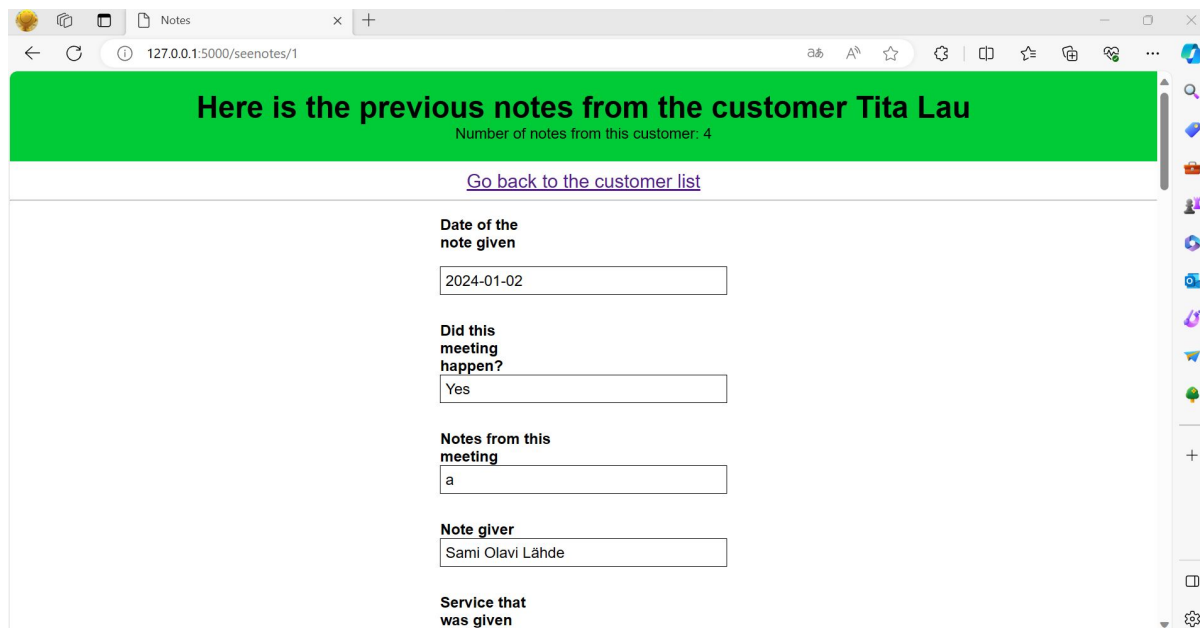
The screenshot shows a web browser window with a single tab titled 'Meeting with a customer'. The address bar displays '127.0.0.1:5000/newmeeting/1'. The page has a green header bar with the text 'Create a meeting with a customer Tita Lau'. Below the header is a link 'Go back to the customer list'. The main content area is a form with the following fields:

- Date of the meeting:** A text input field with the placeholder 'pp . kk . vvvv' and a calendar icon on the right.
- Service given:** A dropdown menu with the text 'Select a service'.
- Did the meeting happen?:** A dropdown menu with the text 'Select an option'.
- How the meeting took place?:** A dropdown menu with the text 'Select an option'.
- Describe where did this customer came from:** A text input field.
- Your notes from this meeting:** A text input field.
- Create and save this meeting:** A button at the bottom of the form.

Read the previous notes from selected customer page

Notes include information about:

- when the note was given (date)
- if the meeting was held or it was cancelled
- notes from the meeting
- who gave the note (user name)
- what service was given to the customer (or was suppose to be given in a case of cancelled meeting)
- how the customer was directed to the meeting (by who from which organization)
- if the meeting was held face-to-face live or via Teams (remotely)

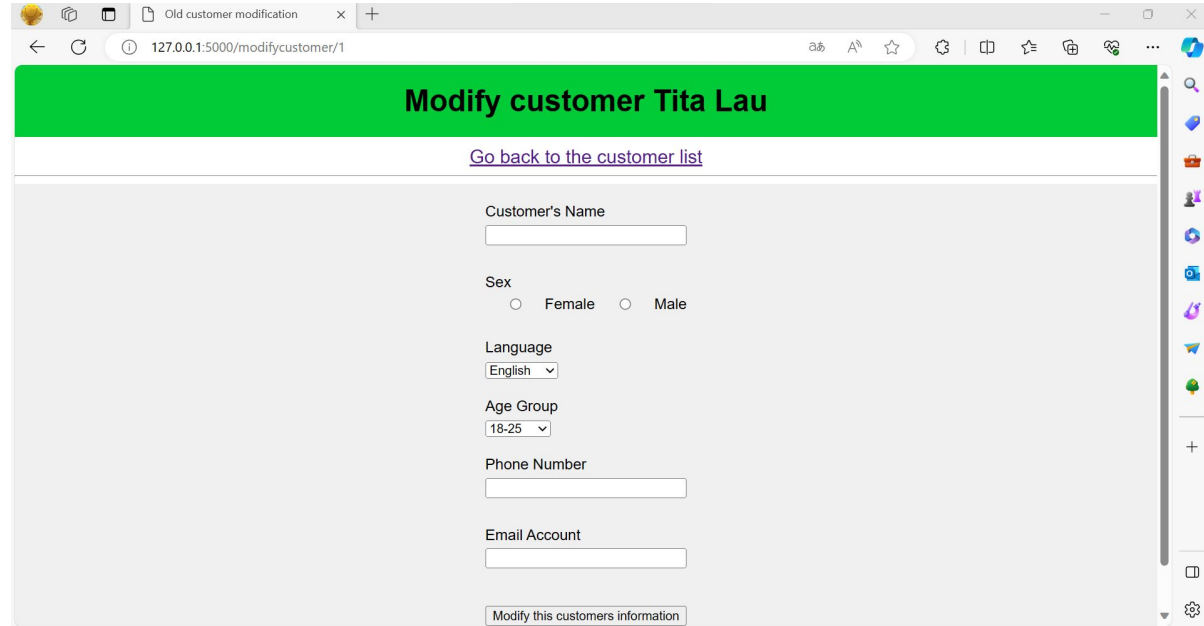


The screenshot shows a web browser window with a single tab titled 'Notes'. The address bar displays '127.0.0.1:5000/seenotes/1'. The page features a prominent green header with the text 'Here is the previous notes from the customer Tita Lau' and a sub-header 'Number of notes from this customer: 4'. Below the header is a link 'Go back to the customer list'. The main content area contains several form fields with labels: 'Date of the note given' (with value '2024-01-02'), 'Did this meeting happen?' (with value 'Yes'), 'Notes from this meeting' (with value 'a'), 'Note giver' (with value 'Sami Olavi Lähde'), and 'Service that was given' (which is empty).

Here is the previous notes from the customer Tita Lau	
Number of notes from this customer: 4	
Go back to the customer list	
Date of the note given	<input type="text" value="2024-01-02"/>
Did this meeting happen?	<input type="text" value="Yes"/>
Notes from this meeting	<input type="text" value="a"/>
Note giver	<input type="text" value="Sami Olavi Lähde"/>
Service that was given	<input type="text"/>

Modify existing customer page

If there is a need to modify customers information (for example updated phone number)



Old customer modification

127.0.0.1:5000/modifycustomer/1

Modify customer Tita Lau

[Go back to the customer list](#)

Customer's Name

Sex
☐ Female ☐ Male

Language
English ▾

Age Group
18-25 ▾

Phone Number

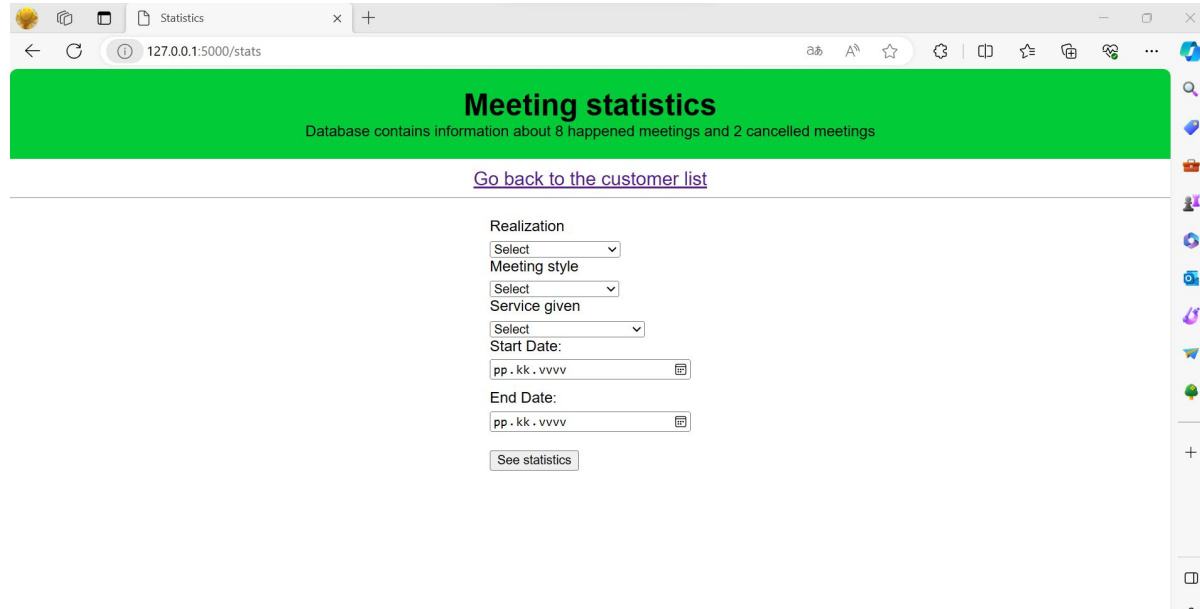
Email Account

Modify this customers information

Statistics page

From this page user can see visualized data about previous meetings by choosing parameters for:

- if the meeting was held face-to-face live or via Teams (remotely) or both ways combined
- focus of the meeting from options 'career', education, 'digi' or 'other' or all options together
- timeframe



Statistics

127.0.0.1:5000/stats

Meeting statistics

Database contains information about 8 happened meetings and 2 cancelled meetings

[Go back to the customer list](#)

Realization
Select

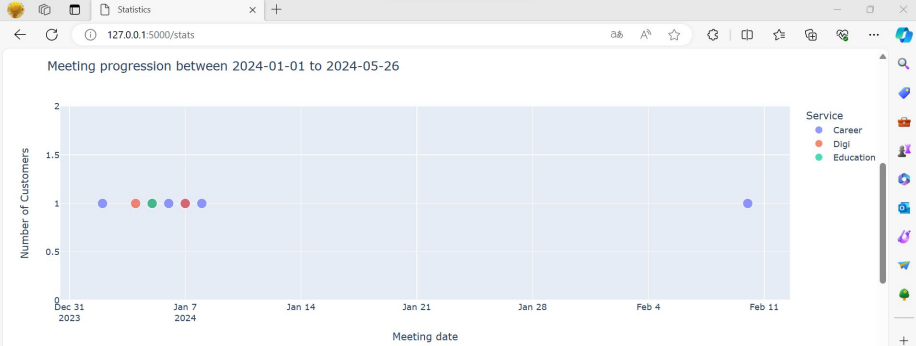
Meeting style
Select

Service given
Select

Start Date:
pp . kk . vvvv

End Date:
pp . kk . vvvv

See statistics



Statistics page visualizations (3 scatter plots)

