



Hochschule für  
Wirtschaft und Recht Berlin  
**Berlin School of Economics and Law**

# Greendr

## ORIGINAL

OOP II  
SS24

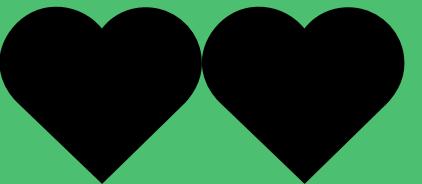
Jan Busson  
Ailin Esenalieva  
Denis Cercasin  
Kaan Baskaya

10.07.2024  
V2.0

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# Projektbeschreibung



## **Greendr : Connecting Hearts for a Sustainable Future**

Greendr ist eine innovative Plattform, die Menschen zusammenbringt, die nicht nur nach romantischen Beziehungen suchen, sondern auch nach gemeinsamen Werten und Überzeugungen. Besonders im Bereich der Nachhaltigkeit und Umweltschutz bietet die App eine einzigartige Möglichkeit für Singles, Gleichgesinnte zu finden und sich mit ihnen zu vernetzen.

Durch die Kombination von sozialer Vernetzung und Umweltbewusstsein schafft Greendr eine Community, die sich für eine nachhaltigere Zukunft engagiert und dabei auch persönliche Beziehungen aufbaut.



# Aktualisierungen

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The image displays three mobile phone screens arranged horizontally, illustrating a user flow for a login application. The phones have black frames and rounded corners.

- Phone 1 (Left):** The screen shows the name "Greendr" at the top. Below it are three green buttons labeled "Login", "Register", and "Help".
- Phone 2 (Middle):** The screen shows the word "Login" at the top. Below it are two input fields: "Name: Test1" and "Password". A blue arrow points from the bottom left of this screen towards the bottom left of the third screen.
- Phone 3 (Right):** The screen shows the word "Help" at the top. Below it is one green button labeled "Reset Password". A blue arrow points from the bottom left of this screen towards the bottom left of the middle screen.

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# Aktualisierungen

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# Aktualisierungen

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The image displays four mobile phone screens arranged horizontally, each showing a "General Information" form. The screens are set against a light blue background with rounded corners and black borders.

- Screen 1:** Shows basic personal details.
  - Name: Max
  - Age: 34
  - Height: 201
  - City: Berlin

Buttons: "Upload your photo" (green), "Next" (green).
- Screen 2:** Shows gender, sexuality, and interests.
  - Gender: (Choice)
  - Sexuality: (Choice)
  - I'm interested in: (Choice)

Buttons: "Next" (green).
- Screen 3:** Shows home town and languages.
  - Home town: Berlin
  - Languages: Deutsch, French

Buttons: "Next" (green).
- Screen 4:** Shows work place, job title, and college/university.
  - Work Place: BMW
  - Job Title: Consultant
  - College/Uni: HWR

Buttons: "Next" (green).

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# Aktualisierungen

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The image displays three mobile phone screens arranged horizontally, representing a survey process. The background is light green.

- Screen 1: Free Time**

Drinking: (Choice)  
Smoking: (Choice)  
Marijuana: (Choice)  
Drugs: (Choice)

Next
- Screen 2: Description**

Write about yourself

Finish
- Screen 3: Hobbies**

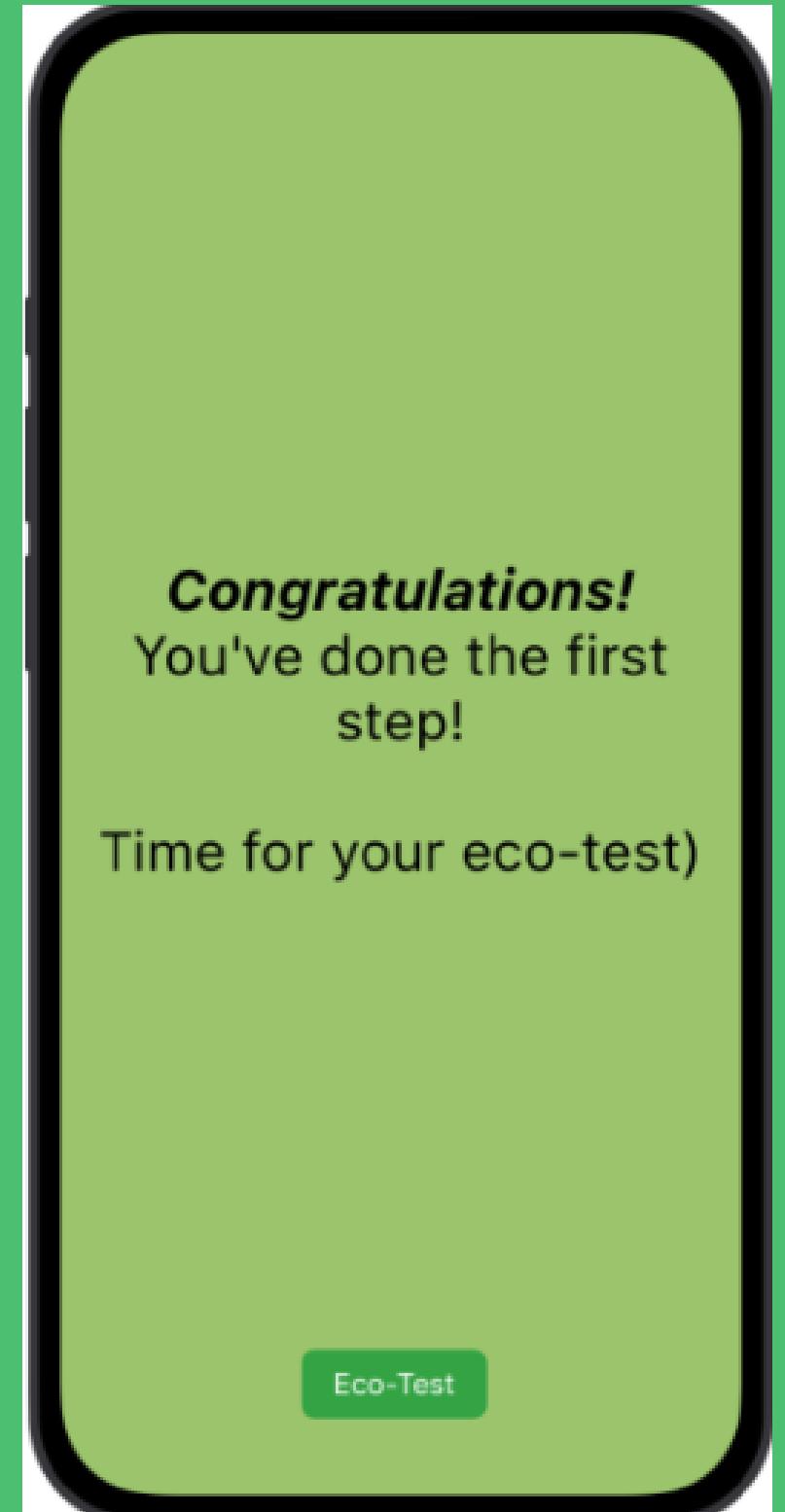
Enter your hobbies here

Next

# Aktualisierungen

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# Aktualisierungen

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How often do I travel with plane in a year?

- once or less per year
- 2 or more times per year
- 5 or more times per year
- 10 or more times per year
- more than listed

[Continue](#)

Which eating behaviour describes me best?

- purely sustainably growed produce
- Vegan diet
- Vegetarian diet
- Pescatarian diet
- Carnivore diet

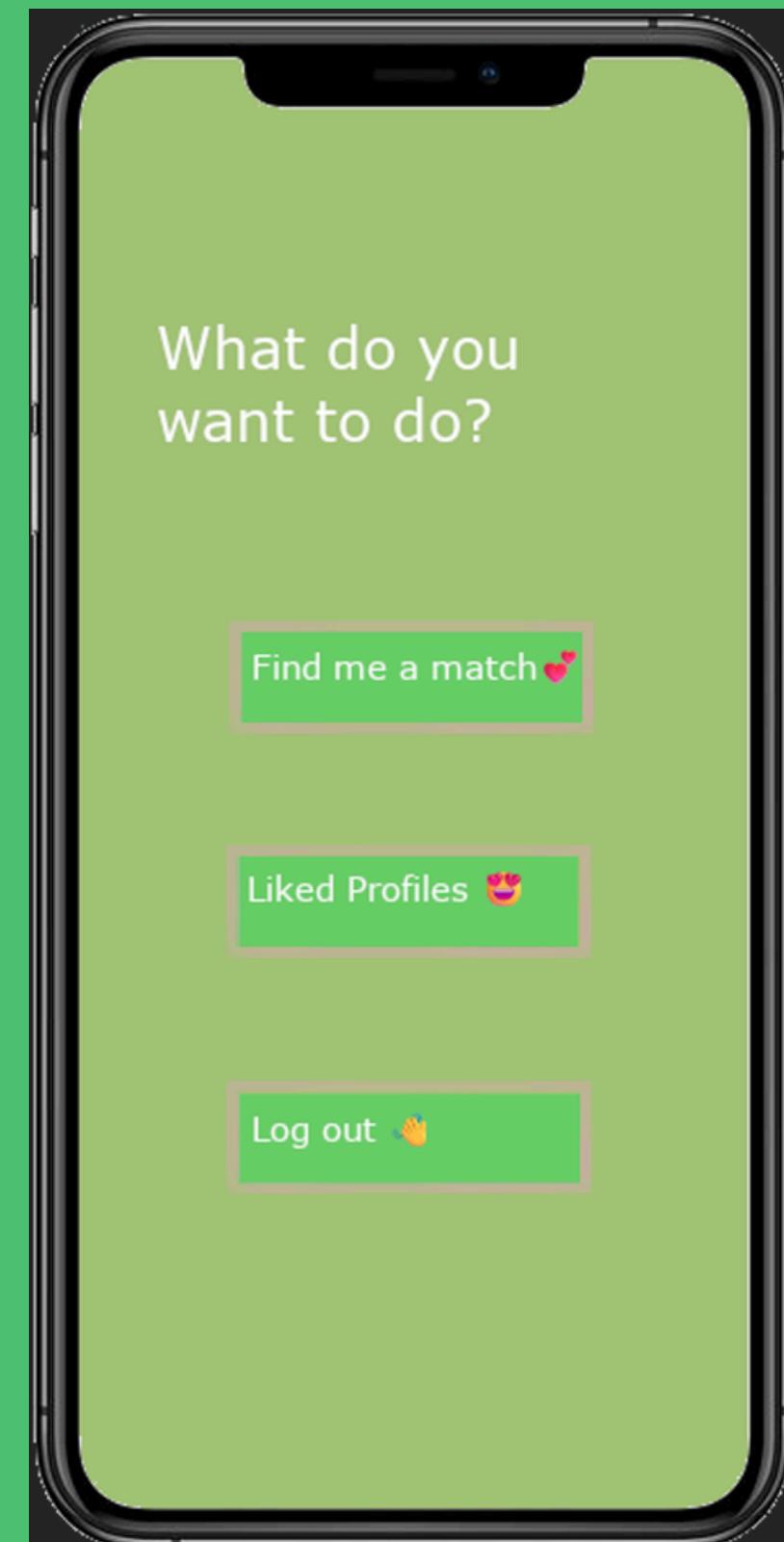
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# Aktualisierungen

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9

# MVC-Klassendiagramm

5 Models

18 Views

20 Controllers

10



# MVC-Klassendiagramm

43 Klassen



# MVC-Klassendiagramm

31 Klassen

# MVC-Klassendiagramm

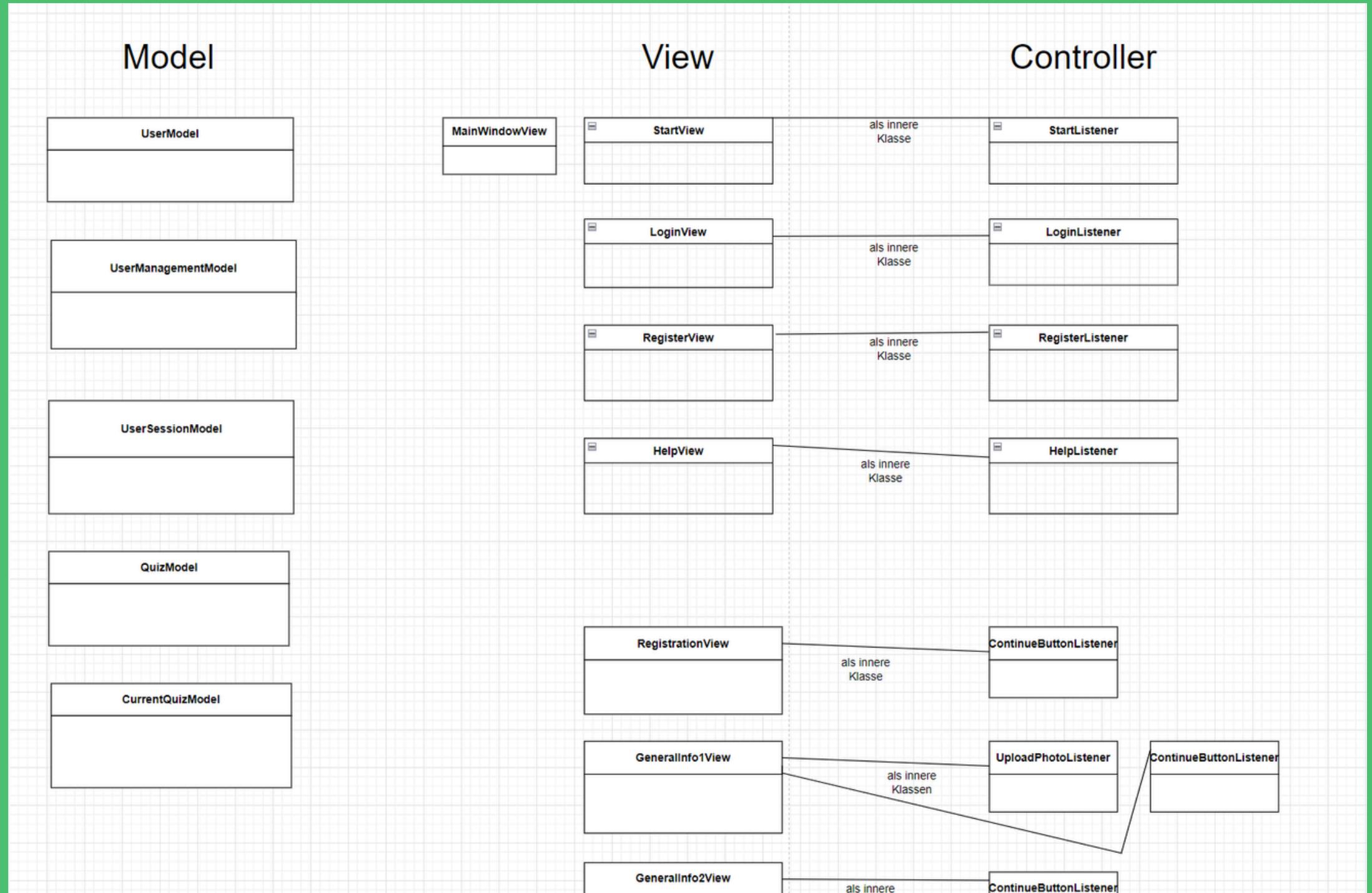
2 Models

18 Views

11 Controllers

# 3558 Codezeilen

# MVC-Klassendiagramm



## Klassendiagramm - Overview



# Klassenzuordnung

	<b>Jan Busson</b>	<b>Ailin Esenalieva</b>	<b>Denis Cercasin</b>	<b>Kaan Baskaya</b>
M	UserManagementModel UserSessionModel	QuizModel CurrentQuizModel	UserModel	
V	WelcomeView LikedUsersView FindMatchView	QuizView	RegistrationView GeneralInfo/N/View (N=1-4) FreeTimeView DescriptionView FinishCreateProfileView	StartView MainWindowView LoginView RegisterView HelpView
C	LogOutButtonListener FindMatchButtonListener LikedUsersButtonListener SwipeButtonListener	ContinueButtonListener FinishButtonListener	8 ContinueButtonListener EcoStartButtonListener	StartListener LoginListener RegisterListener HelpListener

# Zeitplan

## 12.06: UI Design Presentation

### **Week 1: Initial Setup and Basic Structure (13.06 - 19.06)**

13.06 - 14.06: Create initial project structure.

15.06 - 16.06: Implement basic MVC structure, focusing on the main application window and navigation - Welcome Screen

17.06 - 19.06: Develop core UI components (e.g., login screen, registration form).

### **Week 2: Core Functionality (20.06 - 26.06)**

20.06 - 23.06: Implement user authentication (login and registration logic).

22.06 - 26.06: Develop profile management (view and edit profiles).

### **Week 3: Enhanced Features + First Testing (27.06 - 03.07)**

27.06 - 29.06: Create the matchmaking algorithm and interface for finding and connecting with users. - **MVP Product**

27.06 - 03.07: Perform integration testing to ensure all parts work together smoothly.

### **Week 4: Testing, Refinement, Presentation (04.07 - 10.07)**

04.07: Finalize documentation and prepare for the final presentation.

05.07 - 06.07: Address any critical bugs or issues found during testing.

07.07 - 08.07: Perform final optimizations and code review.

03.07 - 09.07: Prepare the final presentation and project submission materials.

# Arbeitsstunden je Projektphase

1. Anforderungen - 6 Std.
2. Design - 16 Std.
3. Implementierung - 35 Std.

**TOTAL = 57 Std.**



# Top -Features -> Kaan

1. ScreenSwitcher
2. CardLayout (Oracle Docu)
3. TechnicalFunctions

**Java Development Kit Version 17 API Specification**

declaration: module: java.desktop, package: java.awt, class: CardLayout

 oracle.com / Apr 15



# Top -Features -> Denis

1. Upload Photo (Cloudinary 2024)
2. GridBag Layout (Oracle Docs)
3. Technical Functions
4. Index
5. ReadyToUpdate + Update -> SQL



## Java Image and Video Upload

Learn how to upload images and videos with only a few lines of Java code - with cloud storage, CDN delivery, and dynamic transformation effects for...

cloudinary.com

<https://docs.oracle.com/javase/8/docs/api/java.awt/GridBagLayout.html>



# Top -Features -> Ailin

1. JTextArea (Oracle Docs)
2. HandleContinueButton
3. HandleFinishButton
4. setQuestionSet

<https://docs.oracle.com/javase/8/docs/api%2F%2Fjax/swing/JTextArea.html>

# Top -Features -> Jan

1. User auslesen (nicht den current User anzeigen)
2. Matches display -> SwipePanel
3. Das Liken der User verwalten -> sqlUser
4. LikedUsers anzeigen -> Nutzung einer Liste



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**Connecting Hearts for Sustainable Future.**



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**ORIGINAL**