



**FATİH
SULTAN
MEHMET**
VAKIF UNIVERSITY

PROGRAMMING II

FINAL PROJECT

SOCIAL MEDIA PROJECT



Sign In Frame:

- Allows users to sign in with shaded font in email and password fields.
- Displays a JOptionPane for invalid login attempts.
- Provides an option to navigate to the sign-up page.

The Sign In Frame, titled 'Facelook', features a dark blue header with a close button. The main area is light blue and contains two input fields: one for email (with a person icon) and one for password (with a lock icon). A 'Show Password' checkbox is next to the password field. Below the fields are two buttons: 'Cancel' (orange) and 'Sign In' (green). At the bottom, there is a link: 'New user? Click here to create an account'.

Sign Up Frame (Two Steps):

- User data is validated before insertion into the database.
- Two-step sign-up process ensures data accuracy.
- Checks for valid input and displays warnings if necessary.

The first step of the 'Creat New Account' frame, titled 'Creat New Account', has a dark blue header with a close button. It contains five input fields: 'First Name:', 'Middle Name:', 'Last Name:', 'Phone Number:', and 'Birth Date:'. The 'Birth Date' field is a date picker showing 'January'. At the bottom are 'Cancel' (orange) and 'Next' (green) buttons. A link at the very bottom says: 'Already have an account? Click here to sign in'.

The second step of the 'Creat New Account' frame, titled 'Creat New Account', has a dark blue header with a close button. It contains four input fields: 'E-mail', 'Password', 'Repeat Password', and 'Gender' (a dropdown menu showing 'Male'). There is also a 'Nationality' dropdown menu. At the bottom are 'Back' (orange) and 'Create' (green) buttons. A link at the very bottom says: 'Already have an account? Click here to sign in'.

The screenshot shows a database management tool interface. The main window displays the schema for a table named 'user' in the 'socialmedia' schema. The table has columns: iduser (INT, PK), name (VARCHAR(45)), middlename (VARCHAR(45)), lastname (VARCHAR(45)), phonenummer (VARCHAR(45)), day (VARCHAR(45)), month (VARCHAR(45)), year (VARCHAR(45)), email (VARCHAR(45)), password (VARCHAR(45)), and gender (VARCHAR(45)). The 'iduser' column is the primary key. Below the schema, there are tabs for 'Columns', 'Indexes', 'ForeignKeys', 'Triggers', 'Partitioning', and 'Options'. The 'Columns' tab is active, showing the column details. On the right, there is a 'SQLAdditions' panel with a message: 'Automatic context help is disabled. Use the toolbar to manually get help for the current caret position or to toggle automatic help.' At the bottom, there is an 'Output' panel showing the results of three SQL queries: 1. SELECT * FROM socialmedia.user LIMIT 0, 1000 (5 row(s) returned), 2. SELECT * FROM socialmedia.user_friends LIMIT 0, 1000 (7 row(s) returned), and 3. SELECT * FROM socialmedia.user_posts LIMIT 0, 1000 (33 row(s) returned).

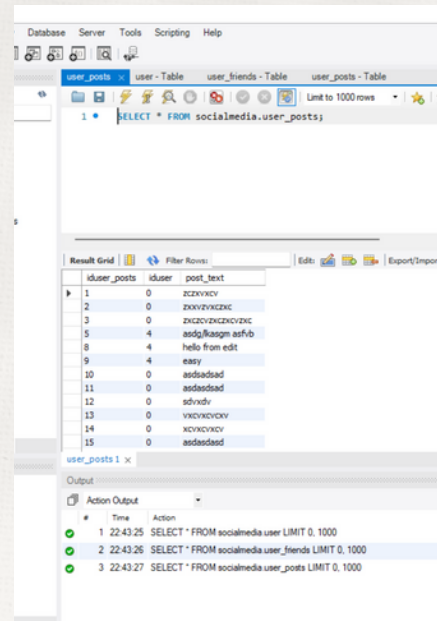
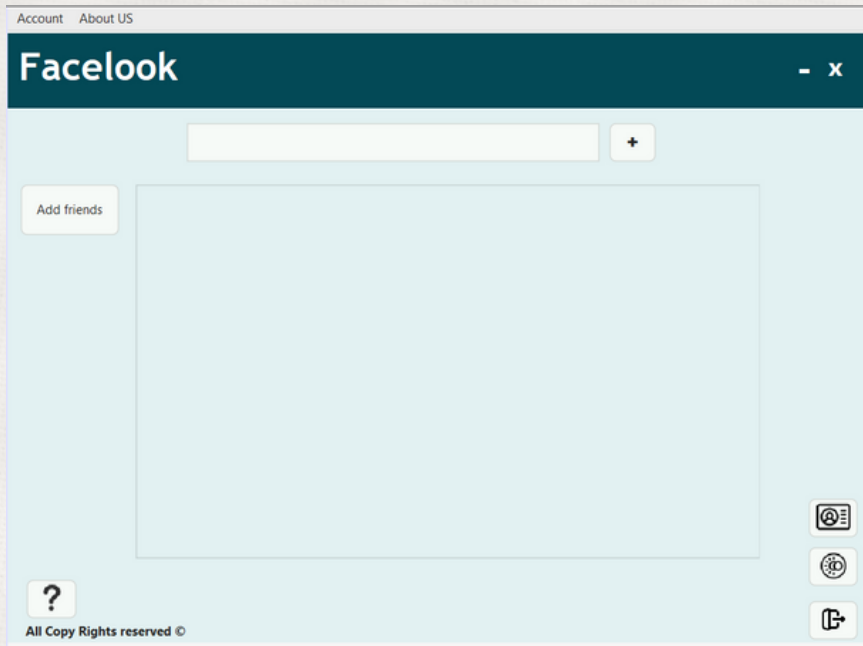


User Homepage Frame:

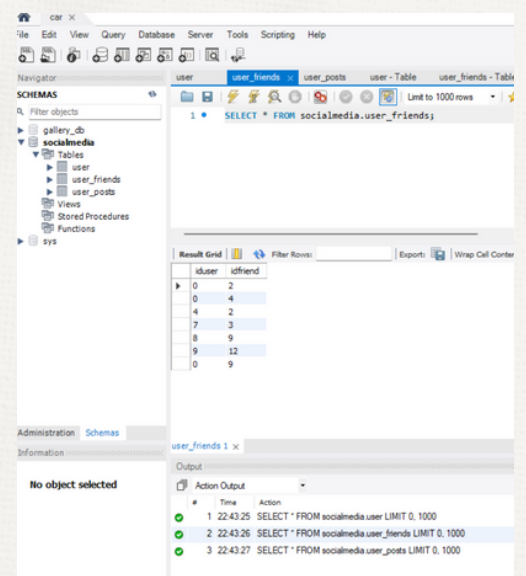
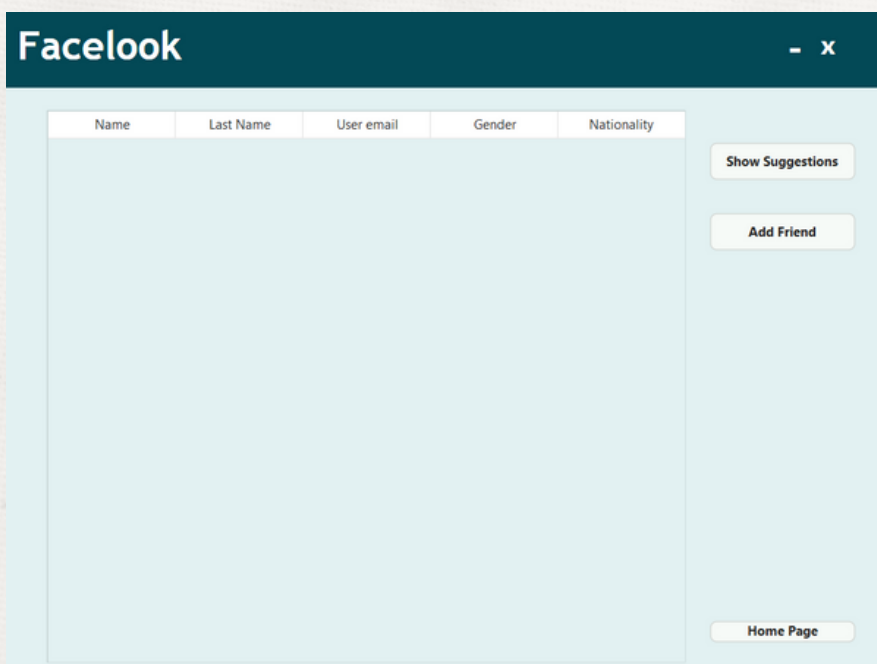
- Displays user and friends' posts in a text area.
- Add Friend Page with buttons to show suggestions and navigate to the homepage.
- Profile page with tables to display user friends and posts.
- Options to show, delete, and edit friends and user posts.

Navigation and Interface:

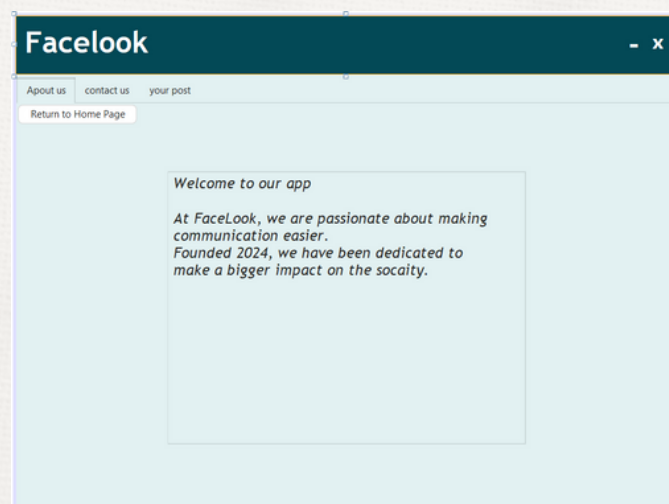
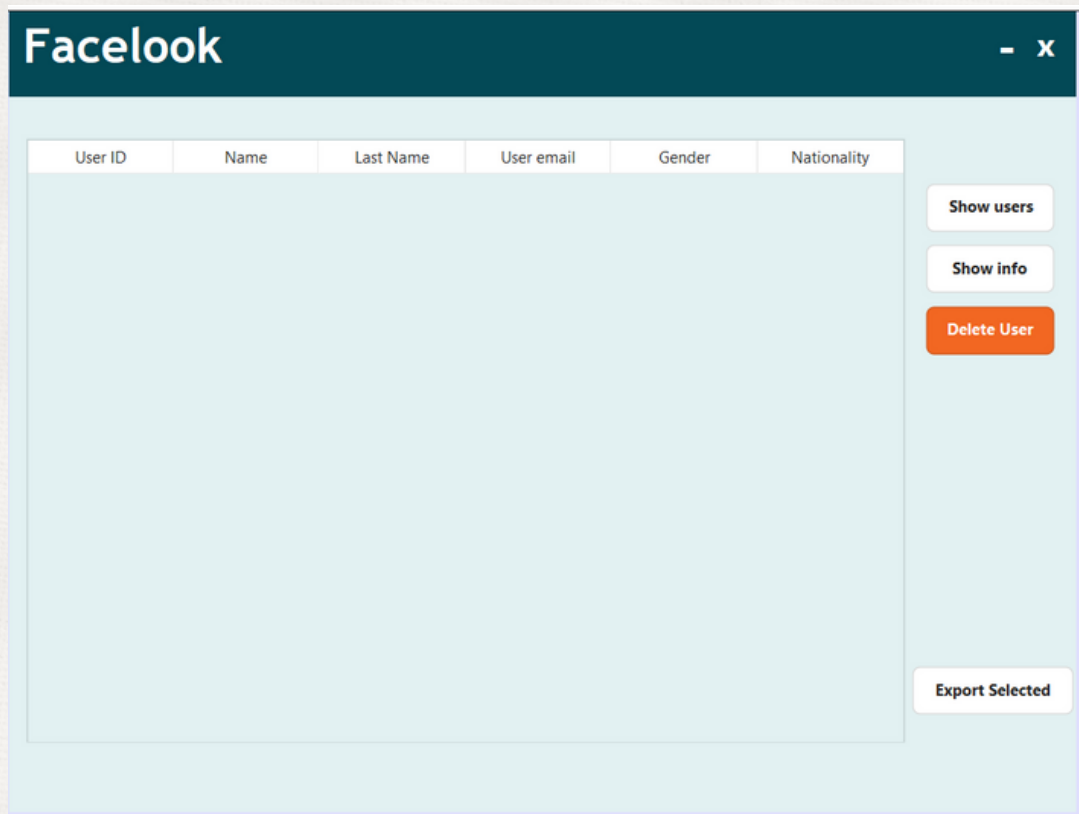
- Pop-up menu with save and exit options.
- Menu bar with additional functionalities.
- Toggle button for dark mode to switch background colors.



- **Add Friend Page:**
- **Show Suggestions Button:**
- Retrieves and displays users (excluding friends and the current user) as potential friends.
- **Logo Button:**
- Returns to the User Homepage Frame.



- Social Media Helper Class:
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- Implements various functionalities to interact with the database.
- Includes methods for user authentication, post management, friend operations, and more.
- Admin Frame:
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- Displays a table of users for admin management
- Options to edit and delete user entries.
- Export selected row to a text field.
- Read data from a file.



- **User Profile:**
- **Profile Button in User Homepage Frame:**
- **Takes the user to the profile page.**
- **Profile Page:**
- **Friends Table:**
- **Shows a list of user's friends.**
- **Options to show friends and delete friends.**
- **Posts Table:**
- **Displays user's own posts.**
- **Allows user to show, edit and delete posts.**

