

# SplitApp by Felo

WebApp made in React + RESTful API + Django to allow people to split bills.

## Installing

---

Docker:

1. Install docker <https://docs.docker.com/get-docker/>
2. Clone the repository and inside main folder run the following command:

```
sudo docker compose up
```

Without Docker

1. Install Python3 and the following libraries:

- Django

```
pip install Django
```

- Rest framework

```
pip install djangorestframework
```

- Corsheaders

```
pip install django-cors-headers
```

- Djoser

```
pip install djoser
```

- Rest framework authtoken

```
pip install django-rest-auth-token
```

2. Install NodeJS and npm

3. In folder *backend* type:

```
python manage.py migrate
```

```
python manage.py makemigrations
```

```
python manage.py run
```

4. In folder *frontend* type:

```
npm install
```

```
npm start
```

## Features

Every data is stored in the database (handled by Django backend).

### SingUp and SignIn

Allows users to create new account or login into an existing account -> data is saved in database through Django. Username and email must be unique + email must be in proper format (checked in backend). No input can be empty (checked in frontend).

The image displays four screenshots of the application's authentication interface, arranged in a row. Each screenshot is topped with a blue header bar containing a user icon.

- Sign up (1st):** Shows the initial sign-up form with fields for First Name, Last Name, Username, Email Address, and Password. A checkbox for email notifications is at the bottom.
- Sign up (2nd):** Shows the form after the Username field is filled with 'Felo'. A red error message 'Username already exists' is displayed below the field.
- Sign in (3rd):** Shows the sign-in form with fields for Username and Password. A 'Remember me' checkbox is present. The 'SIGN IN' button is disabled (greyed out).
- Sign in (4th):** Shows the sign-in form with the Username field filled with 'wrong password'. A red error message 'Invalid data!' is displayed below the field.

Each screenshot includes a 'Forgot password?' link and a 'Don't have an account? Sign Up' link. Copyright notices for 'SplitApp 2022' are visible at the bottom of each panel.

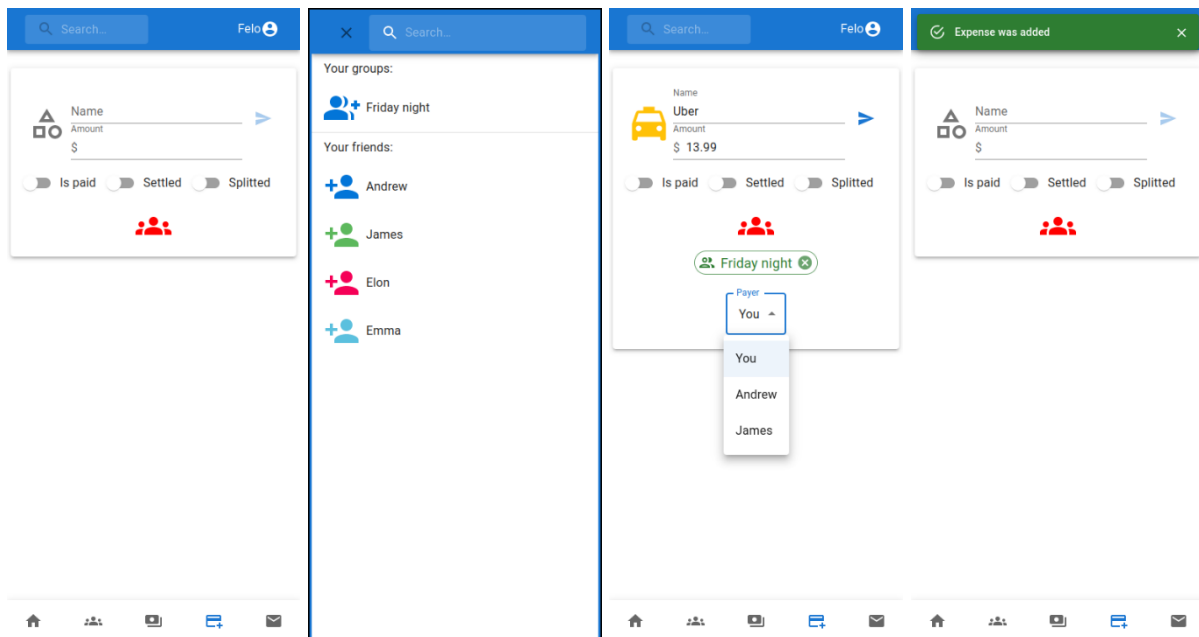
### Manage account

Allows user to change his name, username and avatar.

The image shows the 'Manage account' page. At the top is a blue header with a search bar and a user profile icon labeled 'Felo'. Below the header is a profile card featuring a circular avatar placeholder and a camera icon for uploading a new photo. To the right of the avatar are input fields for 'Username' (containing 'Felo'), 'First name', 'Last name', and 'NewSurname'. A 'SAVE' button is positioned below these fields. At the bottom of the card, the email address 'split@app.com' is displayed. Below the profile card is a blue button labeled '+ ADD NEW EXPENSE'. At the very bottom of the page is a navigation bar with icons for home, users, expenses, messages, and a profile icon.

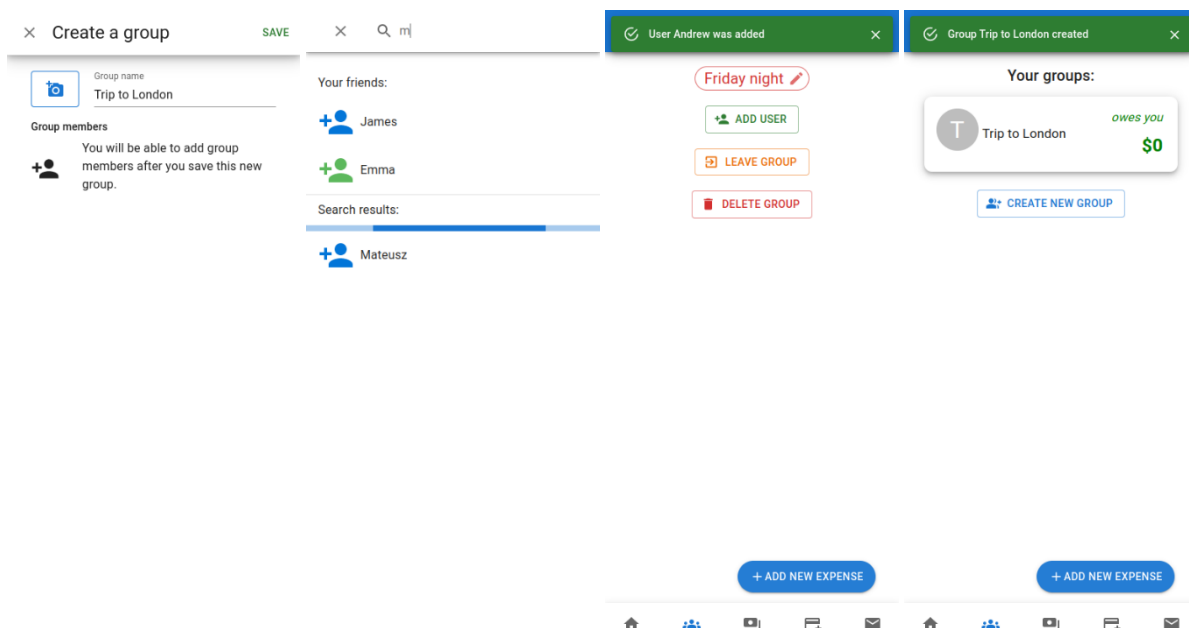
## Create expense

Allows to create new expense (set category, name, amount, status), choose group or person with whom expense was incurred and the person who paid it.



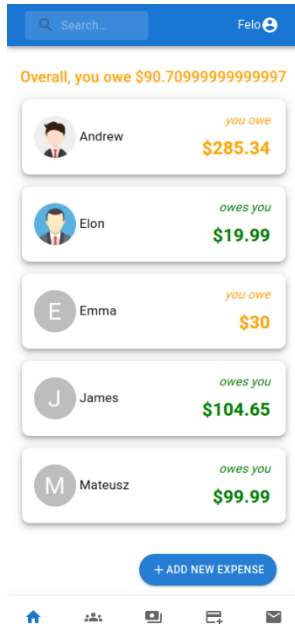
## Create group

Create group – set its name and add users to this group. Quick search for friends and search bar to look for other users by their username.



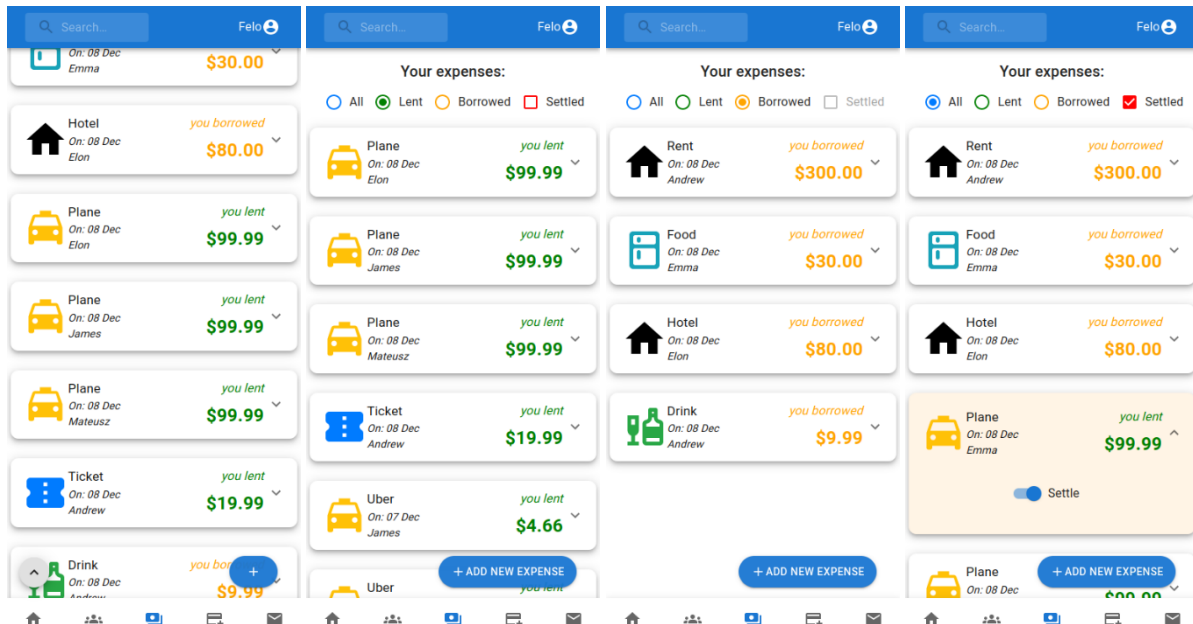
## Summary

Shows list of users whom user owes/lent money.



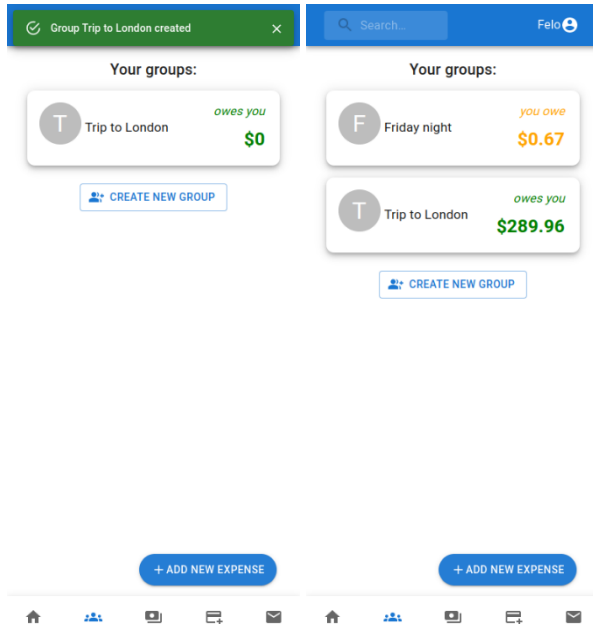
## See expenses

See and manage all expenses + filter them by their type.



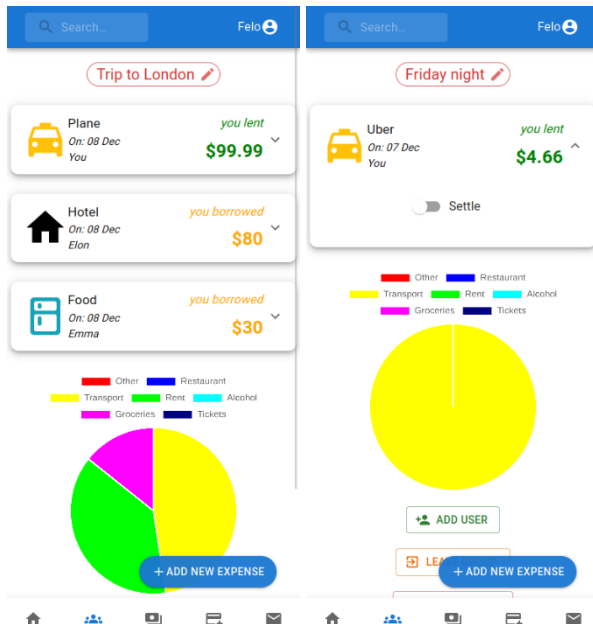
## See your groups

Shows list of users group and they balance within this group.



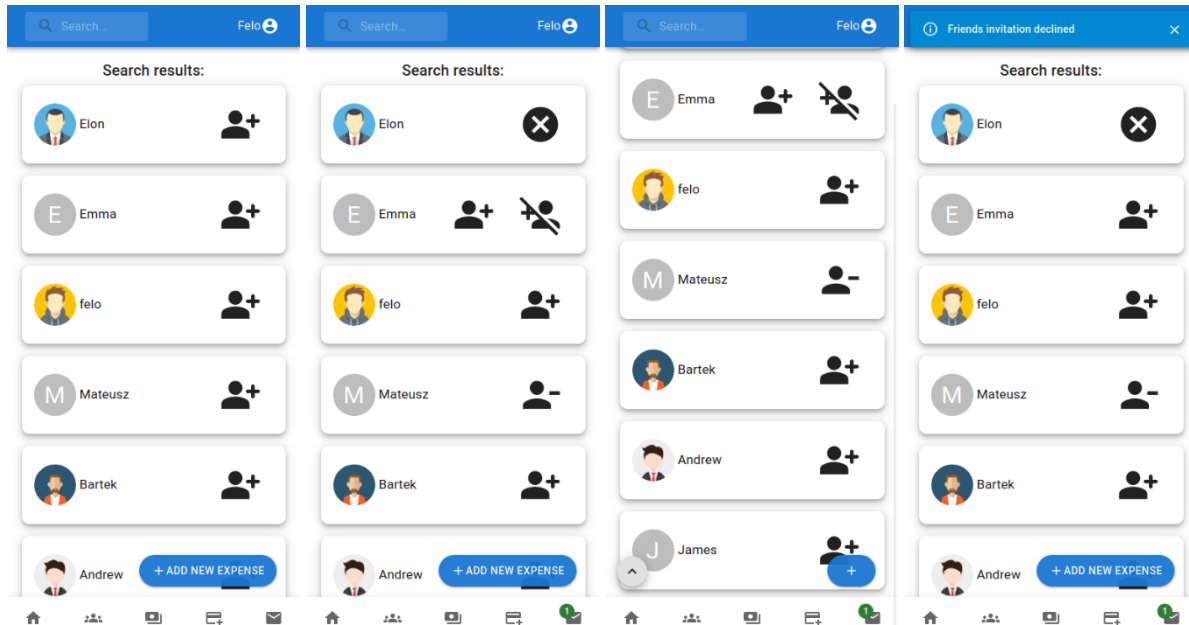
## Summary of group spendings

Shows list of group expenses and chart of categories of incurred expenses.



## Manage friends

Users may search for other users using the search bar in the Top Bar (In the screenshots searches for “e”). Users see all the matching users and their relationship status. He may send friend initiation, accept or decline invitation, decline sent invitation or remove a friend.



## Notifications

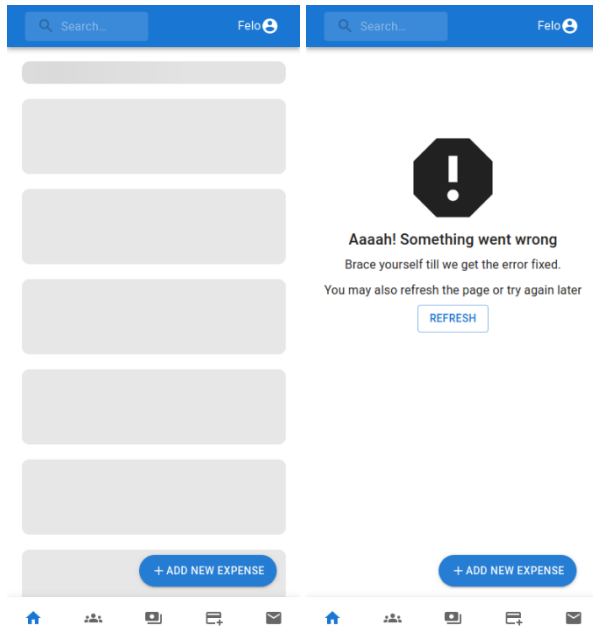
Users may see and manage pending friends' invitations. There is also a notification about pending invitations in the App Bar.



## Skeletons and Errors

Skeletons are displayed while loading data (sending API).

Error screens are displayed when there is a problem with connecting to the server. Users may try to reconnect to API by clicking on the “Refresh” button.



## Empty States

Empty states are moments in a user’s experience with a product where there is nothing to display. User can also refresh data (last screen)

