

Student Spark

Technologies: Ionic Angular + Spring Boot (Java) + PostgreSQL

Functionalities:

1. Account creation:

- Create an account with basic information, such as full name, email, username and password.

2. Login:

- Log into the application with the username and password provided in the account creation process.

3. Menu navigation:

- Access the main menu where a user can see the upcoming events posted by other users.

4. Add event:

- Access a page where an user can add the details of an upcoming event, such as the title, description, location, an image and the date when an event will take place.

5. Event display:

- Access the details of an event, such as:
 - Title, description, location, image, date
 - All posts created within the event
 - The tasks available regarding that event

6. Post management:

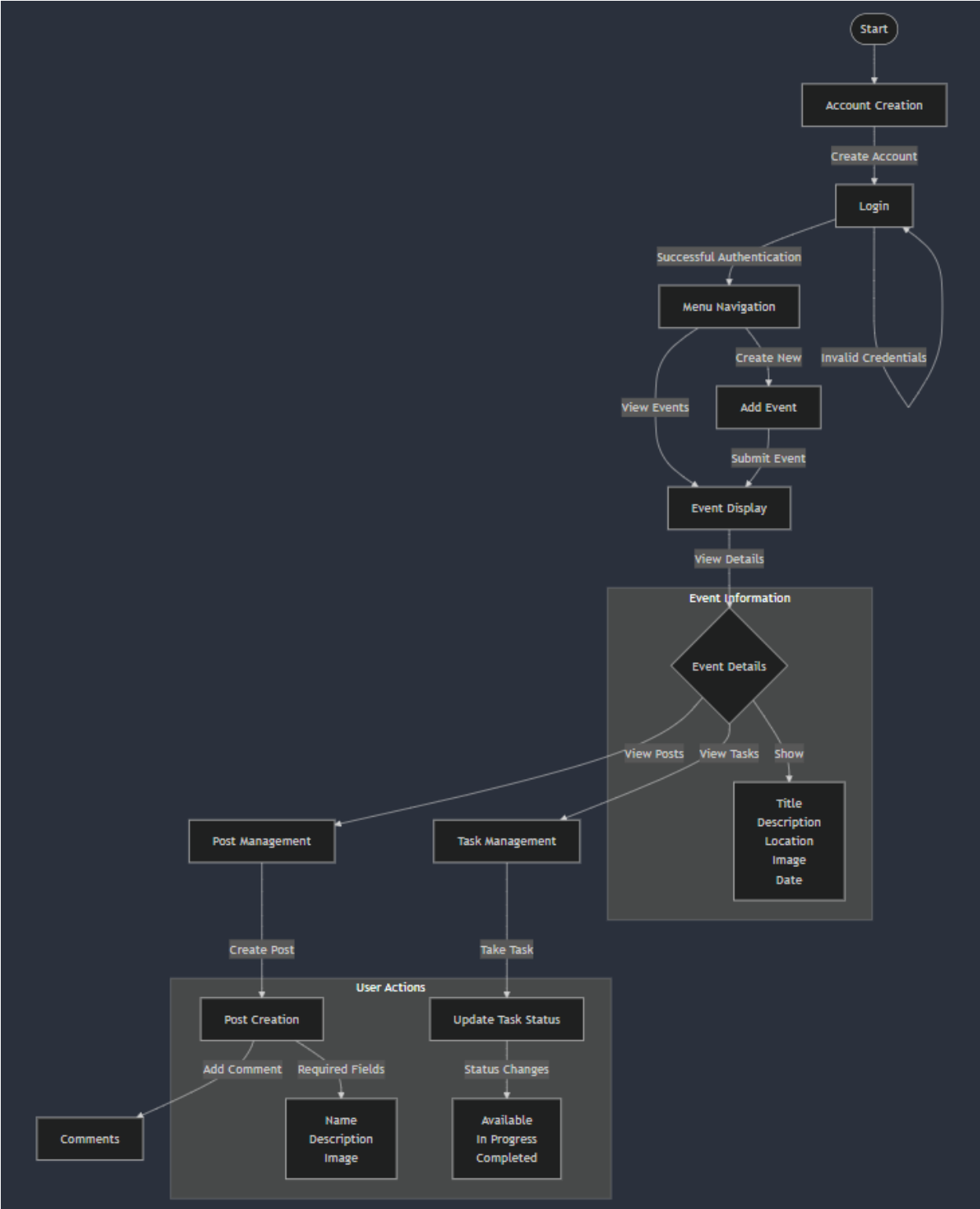
- Users can add posts regarding an event by filling out the name, description and image of the post.

7. Comments:

- Users can also add comments under each post, talking about different topics regarding that post.

8. Tasks:

- Each event has specific tasks available, that can be taken by users, changing the status of the task.



Class Models

1. User:

- ID – Long
- Email – String
- Full name – String
- Username – String
- Password – String
- OrganizedEvents – List<Event>
- Comments – List<Comment>
- Tokens – List<Token>

2. Event:

- ID – Long
- Description – String
- Name – String
- Date – Timestamp
- Participant Count – Long
- Location – String
- Image – byte[]
- Organizer – User
- Posts – List<Post>

3. Post:

- ID – Long
- Name – String
- Description – String
- Image – byte[]
- Event – Event
- Comments – List<Comment>

4. Comment:

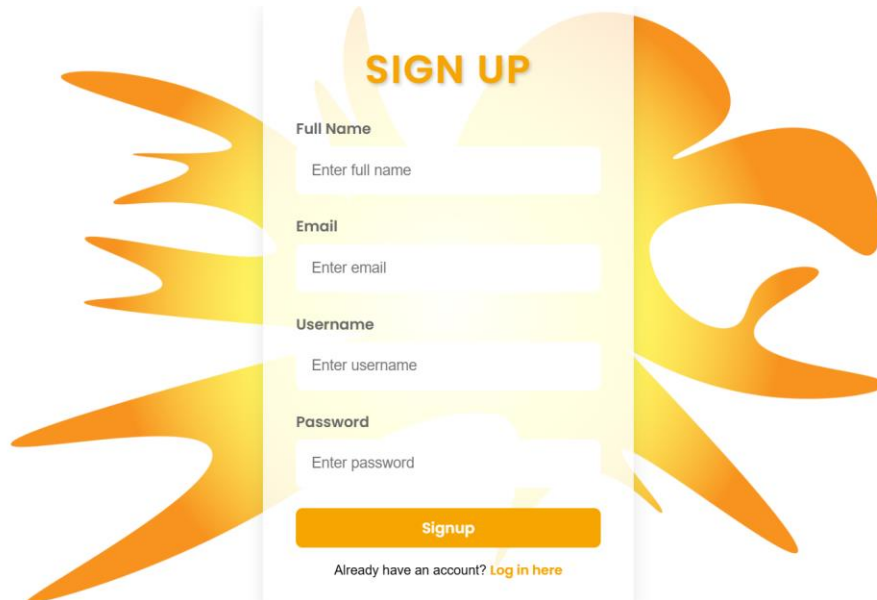
- ID – Long
- Message – String
- User – User
- Post – Post

5. Task:

- ID – Long
- Name – String
- Description – String
- Status – Enum (To do, In progress, Done)
- Deadline – LocalDateTime
- Event – Event
- Comments – List<CommentTask>
- Users – List<User>

Screens

1. Register page:

A mockup of a registration page. It features a central white card with a yellow-to-orange gradient background. The card has a title 'SIGN UP' in bold orange text. Below the title are four input fields: 'Full Name' with placeholder 'Enter full name', 'Email' with placeholder 'Enter email', 'Username' with placeholder 'Enter username', and 'Password' with placeholder 'Enter password'. At the bottom of the card is an orange 'Signup' button and a link 'Already have an account? Log in here' in orange text. The card is set against a background of stylized orange and yellow flame-like shapes.

SIGN UP

Full Name
Enter full name

Email
Enter email

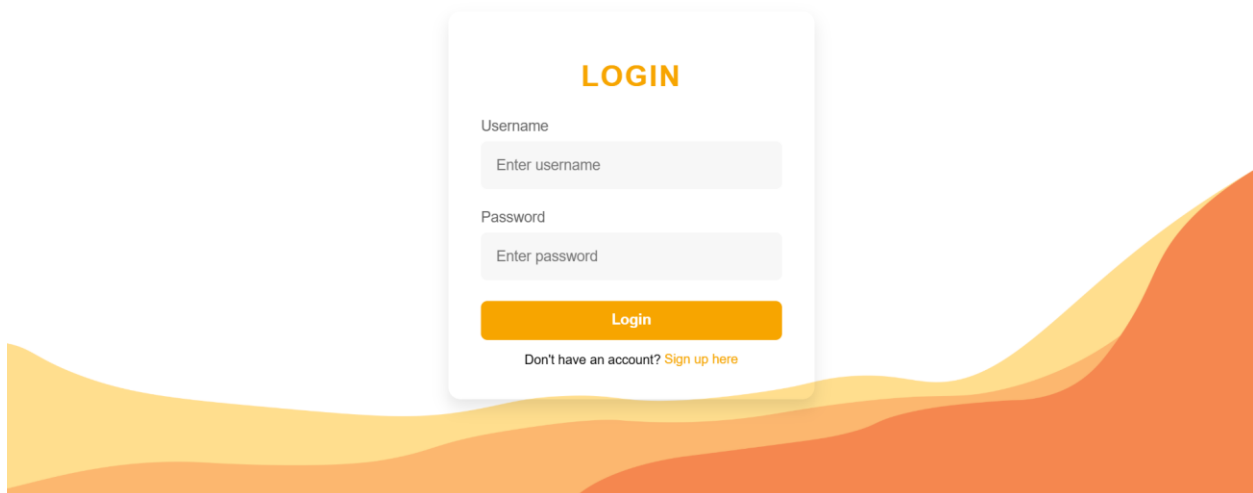
Username
Enter username

Password
Enter password

Signup

Already have an account? [Log in here](#)

2. Login page:

A mockup of a login page. It features a central white card with a yellow-to-orange gradient background. The card has a title 'LOGIN' in bold orange text. Below the title are two input fields: 'Username' with placeholder 'Enter username' and 'Password' with placeholder 'Enter password'. At the bottom of the card is an orange 'Login' button and a link 'Don't have an account? Sign up here' in orange text. The card is set against a background of stylized orange and yellow flame-like shapes.

LOGIN

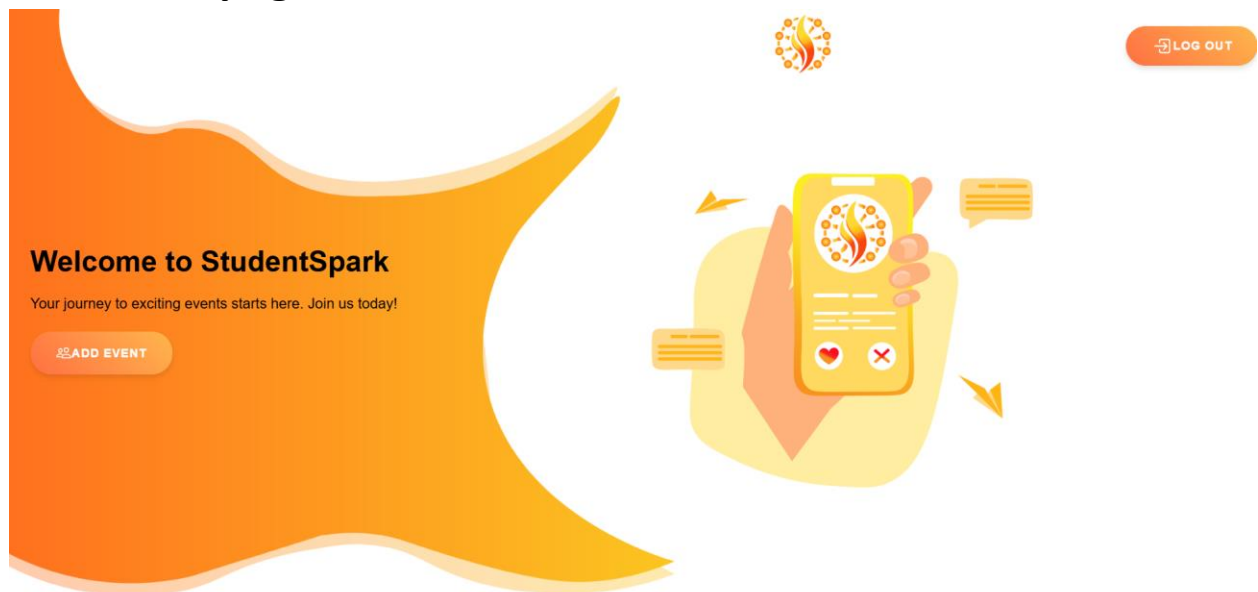
Username
Enter username

Password
Enter password

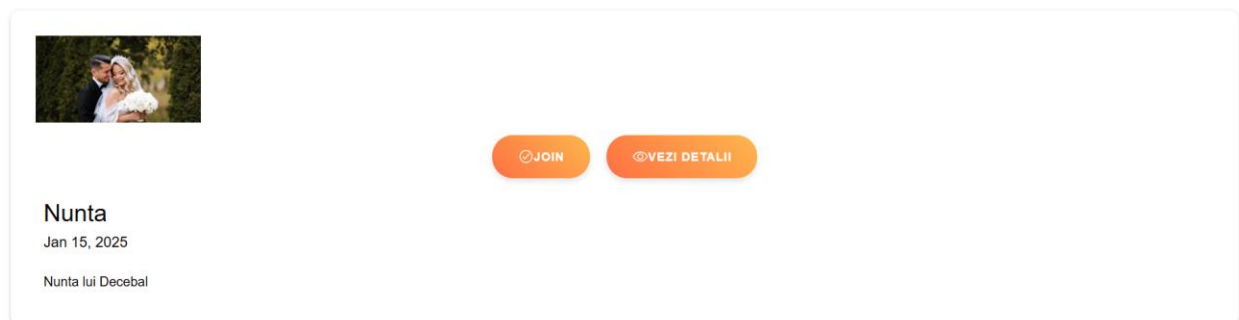
Login

Don't have an account? [Sign up here](#)

3. Main page:




4. Event view in main page:



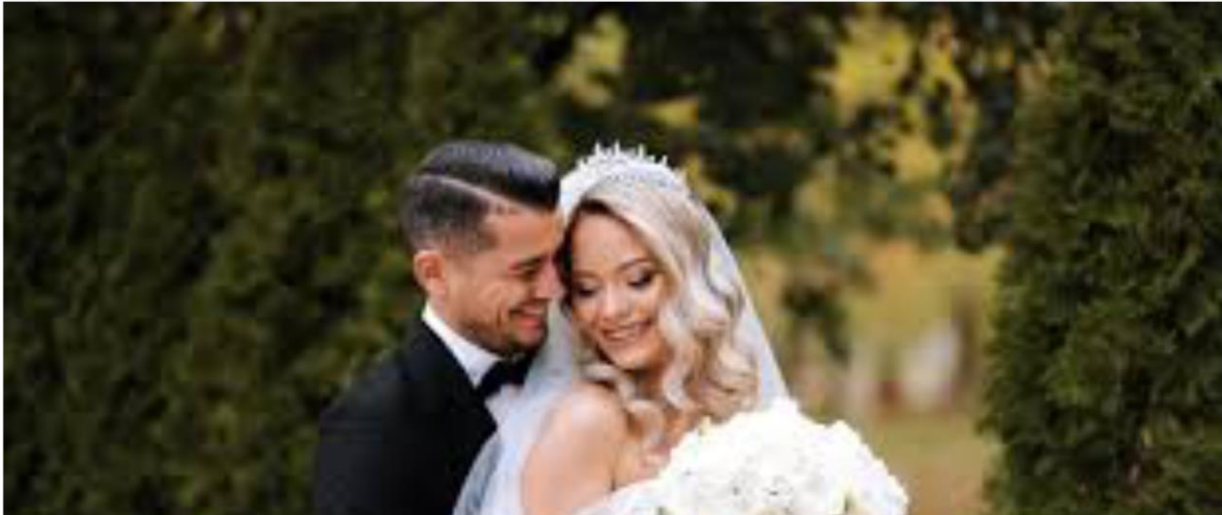
5. Event detail page:

Nunta


Jan 15, 2025



LOG OUT



Here we can also see the posts and tasks:



LOG OUT

Nunta lui Decebal

Location: Casa Poporului

JOIN

Make a Post

Write name...

Write description...

CHOOSE FILE

POST

Posts

Find Sponsors

Looking for sponsors for the event
Status: Activ
Deadline: 12.12.2024


TAKE

6. Post and comment view:

Posts

Felicitari!

Casa de piatra!



Casa de piatra!!

Felicitari voua!

Write comment...

COMMENT

LOG OUT

7. Task view:

<div>Find Sponsors</div> <div>Looking for sponsors for the event</div> <div>Status: Activ</div> <div>Deadline: 12.12.2024</div>	<div>TAKE</div>
<div>Find Location</div> <div>Looking for a location for the event</div> <div>Status: In progres</div> <div>Deadline: 13.12.2024</div>	<div>TAKE</div>

How to run:

1. Download the front-end: <https://github.com/Aenao17/FrontendPC>
2. Download the back-end: <https://github.com/FaneMuri/Spark-BE>
3. Create a PostgreSQL database using pgAdmin 4
4. Open each repository in the corresponding IDE's
5. In the back-end, go to `spark/src/main/resources/application-database.yml` and change the url, username and password to the corresponding ones from pgAdmin 4 (the database tables will migrate automatically)
6. Run the back-end from the `SparkApplication` class
7. For the front-end, go to the `frontendIonicAngular` directory and run these commands:
 - a. `npm i`
 - b. `ionic serve`