Tglab

Homework Assignment

Objective

Design and implement a React + TypeScript application for a digital wallet system in an online gaming platform.

The solution must:

- Integrate with the provided Mock API – https://github.com/MantasBuga/mock-api

- Demonstrate secure user authentication and financial transactions;

- Handle currency values in Euros (€);

- Prioritize code quality, scalability, and user experience.

Core Requirements

1. **User Management**

   A. Registration (POST /register)

   - Required fields: Email, Name, Password, Password Confirmation

   B. Login (POST /login)

   - Store and use JWT token in Authorization: Bearer TOKEN header.

2. **Betting Features**

   C. Place Bets (POST /bet)

   - Validate bet amount: Minimum €1.00, cannot exceed wallet balance

   D. List Bets (GET /my-bets)

   - Display: ID, Date/Time, Amount, Status, Prize (if applicable)

   - Include filters (Status or ID) and pagination

   E. Cancel Bet (DELETE /my-bet/{id})

   - Disable cancellation for already-canceled bets

3. **Wallet System**

   F. Display Balance

   G. Show updated € balance prominently across all screens

   H. List Transactions (GET /my-transactions)

   - Display: ID, Date/Time, Type (Bet/Cancel/Prize), Amount

   - Include filters (Type or ID) and pagination

4. **Technical Requirements**

   I. Responsive design (mobile/desktop compatibility)

   J. Route protection (public vs. private routes)

   K. Euro currency formatting (e.g., €10.50)

   L. Form validations:

   - Required fields

   - Data type checks

   - Error handling for API responses

Bonus Features *(Optional)*

1. Real-time balance updates via WebSockets;

2. Light/dark theme toggle;

3. Multi-language support (English, Lithuanian);

4. UI animations for interactions.

Delivery

Source code: Submit the complete source code in a public GitHub repository. The final commit must align with the submission deadline.

Documentation: Include a README.md with:

- Clear instructions to install, configure, and run the project;

- Descriptions of implemented features and technical decisions.

Remember: *This challenge assesses both technical execution and creativity. Extra features demonstrating innovation will be favorably considered.*

Good luck!