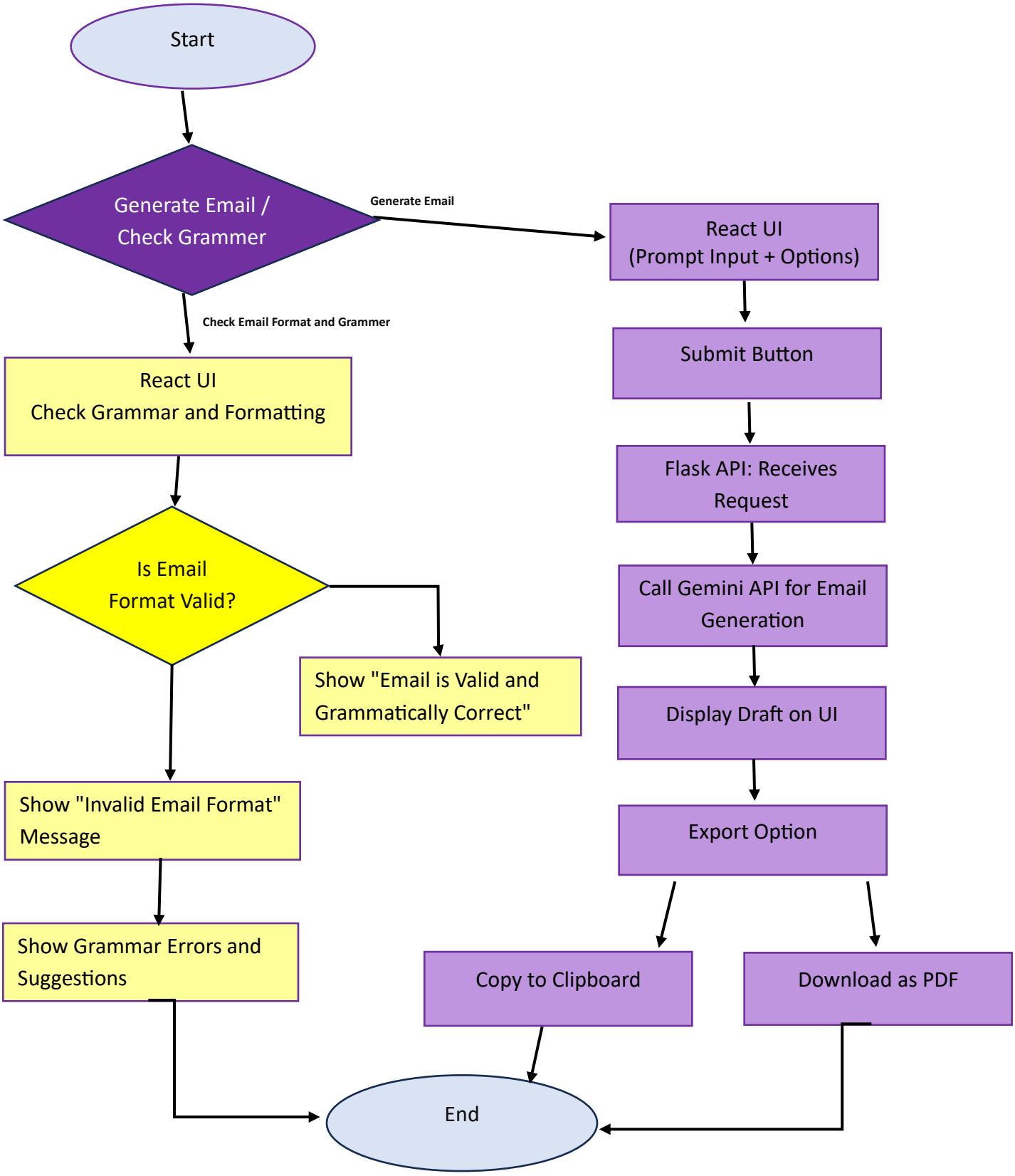
ProDraftfy

Smart Email Generator for Students

- **High Level Design (HLD)**



Low-Level Design (LLD)

- **Frontend (React.js)**
- **App.js**
    - I'm using **React Router** for navigation between the main screens.
    - The homepage acts as a landing interface where users can select:
        - Generate Email
        - Check Grammar & Format

```
<Routes>

<Route path="/" element={<Home />} />

 <Route path="/generate" element={<EmailGenerator />} />

<Route path="/check" element={<GrammarCheck />} />

</Routes>
```

- **Home Component**
- This is a simple card-style UI that gives users a clear choice on what they want to do.
- I've styled the buttons with fixed dimensions and added purple as the primary color for branding consistency.

- **Features:**
- Prompt title and subtext
- Two CTA buttons leading to generation and grammar-checking flows

- **Pages**
- **EmailGenerator.js**
    - Handles the email generation from user prompt.
    - Inputs include:
        - **Prompt Text**
            - **Category** (dropdown: Leave, Complaint, etc.)
            - **Tone** (dropdown: Formal, Polite)
            - **Etc..**

- After submission:
    - The data is sent to the backend (/generate-email)
    - Response includes a well-structured and grammatically correct email
- **2. GrammarCheck.js**
    - This page accepts a custom user-written email.
    - Once submitted, the text is sent to the backend (/check-grammar)
    - The corrected version is returned and shown to the user with options to edit or export.

- **Design Elements**
- **Blobs** in the background are animated using CSS and give a unique and modern look to the interface.
- Centralized container with max-width for better responsiveness.
- Buttons are styled consistently with rounded corners and flex properties to align icons and text.