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List of Final Capabilities of the Estramipyme Web Platform

The Estramipyme platform is designed to help entrepreneurs of small, medium, and large businesses assess the state of their businesses. Below is an explanation of each module and how it operates in the project:

- **1. Registration and Login Module** Allows users to create an account or access their existing profile.
 - User Registration Allows new users to create an account on the platform by providing personal and access information.

Features:

- Form that collects the following data:
 - First name and last name.
 - Type of person: Natural/Juridical (dropdown).
 - Type of document: CC/CE/NIT (dropdown).
 - Document number.
 - Company name (for juridical persons).
 - Sector (in which the company operates).
 - Email address.
 - Password and password confirmation.
 - Checkbox to accept terms and conditions.

Operation:

- Data validation: Ensures all fields are completed and correct before submitting the form.
- Password confirmation: Ensures the password and confirmation match.
- Acceptance of terms: The user must check the box to accept data processing terms to register.
- o **Login** Facilitates access for registered users using their credentials.

Features:

Simple form with the following fields:

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- Email address.
- Password.
- Access button to submit the credentials.

Operation:

- Credential validation: Verifies that the email and password entered match the stored records.
- Error handling: If the credentials are incorrect, an error message is displayed.
- Password recovery: Includes a link to recover or reset the password.
- **2. Dynamic Questionnaire Module** The questionnaire module consists of predefined questions, where users select one option per question. Although the questions do not change based on answers, progress is calculated in real-time, allowing users to see how much they have completed.

Features:

- Questions are classified according to the levels of the Organizational Strategic Radar (Business Model Coherence, Customer Knowledge, Business Knowledge, Internal Communication Alignment, Financial Health) and Simon Sinek's Golden Circle.
- The questionnaire adapts to prior responses and calculates progress in real time.

Question Format:

- All questions are multiple-choice with a single possible answer.
- Each question has 4 answer options, classified in levels from 1 to 4.

Operation:

- Answers are stored in the localStorage.
- Progress is shown via a visual bar reflecting the percentage completed.
- 3. Interactive Graphs Module Visualizes the results using customized graphs.

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Available Graphs:

- Organizational Strategic Radar: Represents the business's status across five specific axes and four levels, in the shape of a pentagon.
- Simon Sinek's Golden Circle: Displays the Why, How, and What in three concentric rings.

Operation:

- Graphs are generated dynamically using libraries such as Chart.js and ECharts, utilizing the data stored from the questionnaire.
- **4. Navigation and Responsive Design Module** Ensures a smooth user experience and accessibility across different devices.

Features:

- Navigation menu: Always visible to provide easy access to different sections.
- Adaptive design: The single-page structure reduces loading time and improves the user experience by avoiding interruptions.

5. Response Storage in Estramipyme (Implemented Backend):

• **Backend Storage:** The questionnaire responses are no longer stored directly in localStorage. They are now stored in the application's backend, providing better security, persistence, and flexibility.

• Operation:

- Stored in the Backend: Responses are sent to the server via an API request (POST) once the user completes them.
- Database: The backend stores the responses in a database, allowing centralized and secure access and processing of the data.

Advantages:

- Persistence: Responses remain secure and accessible at all times, even if the user closes or reloads the page.
- Security: Storing the data in the backend improves security, avoiding potential vulnerabilities related to local storage.
- Scalability: User data can be efficiently managed and analyzed, facilitating application growth.

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• **Synchronization:** The system can synchronize responses between the frontend and backend to ensure they remain up to date, even if the user switches devices or accesses the platform later.