UNIVERSIDAD DISTRITAL
FRANCISCO JOSÉ DE CALDAS

User Stories

Databases II

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User Stories (Client Role)

Title:	Priority:	Estimate:
Register as a Client	High	3

User Story:

As a client, I want to register using my email account so that I can access climate data and receive tailored recommendations.

Acceptance Criteria:

- The system allows registration via email, Google, or Microsoft.
- Client role is assigned automatically upon successful registration.
- A confirmation email is sent upon account creation.

Title:	Priority:	Estimate:
View Local Weather Conditions	High	4

User Story:

As a client, I want to view real-time and historical weather data for my region so that I can plan activities effectively.

Acceptance Criteria:

- Weather data is displayed for the client's location.
- Data includes temperature, humidity, precipitation, and forecast.
- A time filter (e.g., last 7 days, 1 month) is available.

Title:	Priority:	Estimate:
Receive Weather Alerts	High	4

User Story:

As a client, I want to receive automatic alerts for upcoming extreme weather events in my area so that I can take preventive actions.

Acceptance Criteria:

- Alerts are triggered based on predictive models.
- Alerts are sent via email and displayed in the user dashboard.
- Each alert includes event type, severity, estimated time, and recommendations.

Title:	Priority:	Estimate:
Access Historical Recommendations	Medium	3

User Story:

As a client, I want to view past recommendations and actions taken so I can evaluate their effectiveness over time.

Acceptance Criteria:

- A history tab shows all past recommendations received.
- Each entry includes date, context, and whether the advice was followed.
- The user can filter history by date range or type (irrigation, fertilization, etc.).

Title:	Priority:	Estimate:
Receive Farming Recommendations	Medium	5

User Story:

As a client, I want to receive personalized recommendations based on weather predictions and soil conditions so I can optimize my crop yield.

Acceptance Criteria:

- Recommendations are shown on the dashboard.

- Data includes suggestions on irrigation, fertilization, and planting.

- Alerts are sent for critical weather risks (e.g., frost, drought).

User Stories (Analyst)

Title:	Priority:	Estimate:
Access and Analyze Climate Data	High	4

User Story:

As an analyst, I want to access real-time and historical climate data from all monitored stations so I can analyze environmental trends.

Acceptance Criteria:

- A dashboard shows station data in real time.

- Filters allow data segmentation by location and date.

Title:	Priority:	Estimate:
Generate Analytical Reports	Medium	3

User Story:

As an analyst, I want to generate reports about climate conditions and risk trends to support decision-making for stakeholders.

Acceptance Criteria:

- Reports can be generated monthly or weekly.
- Data visualizations (charts, graphs) are included.

User Stories (Administrator)

Title:	Priority:	Estimate:
Manage Users and Roles	High	3

User Story:

As an administrator, I want to manage user accounts and assign roles so that access control is enforced throughout the platform.

Acceptance Criteria:

- Admin dashboard lists all users with filters by role.
- Roles can be assigned or changed.
- User accounts can be deactivated or deleted.

Title:	Priority:	Estimate:
Audit User Activity Logs	Medium	4

User Story:

As an administrator, I want to access logs of user activities so I can ensure compliance and investigate anomalies.

Acceptance Criteria:

- Logs include login times, data access, configuration changes.
- Filters by user, date, and activity type are available.
- Logs can be exported in CSV format.