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Description automatically generated

Backlog of the solution development.

General plan of backlog.

**1. Functional Modules**

* **Authorization and Authentication (Auth Module)**
  + Implementation of user authorization and authentication.
  + Setting up roles and access rights.
  + Password recovery and user management.
* **User Interface (UI) Development**
  + Development of core user interfaces.
  + Mockups and prototypes of screen forms.
  + Adaptation of interfaces for different devices (Responsive Design).
* **Backend Development**
  + Creation and configuration of APIs for frontend interaction.
  + Implementation of core business logic.
  + Data management and processing.
* **Database Management**
  + Modeling the database structure.
  + Implementation of CRUD operations.
  + Data optimization and security.
* **Reporting and Analytics**
  + Collection and processing of data for reports.
  + Data visualization (dashboards, charts).
  + Export report capabilities.

**2. Processes and Integrations**

* **CI/CD Pipeline**
  + Setting up environments for automated builds and deployment.
  + Integration with version control systems (e.g., GitHub).
* **Third-Party Integrations**
  + Integration with accounting systems (e.g., 1C).
  + Integration with other services (e.g., map APIs, payments).
* **Testing**
  + Unit and integration testing.
  + Automated testing.
  + Testing environment setup.

**3. Support and Documentation**

* **Maintenance and Support**
  + Updates and bug fixes post-release.
  + User support.
* **Technical Documentation**
  + Description of the solution architecture.
  + API and database documentation.
  + User guides and instructions.

**4. Project Management**

* **Planning and Roadmap**
  + Release planning.
  + Task distribution across sprints.
* **Task Management**
  + Backlog management.
  + Task prioritization and resource management.

Detailed backlog.

**Backlog for Auth Module**

1. **User Authentication**
   * **Task:** Implement user login functionality.
     + **Description:** Develop the login feature using JWT for authentication. Ensure that only authenticated users can access protected resources.
     + **Priority:** High
     + **Estimation:** 3 days
   * **Task:** Implement user logout functionality.
     + **Description:** Create a logout endpoint that invalidates the JWT token.
     + **Priority:** Medium
     + **Estimation:** 2 days
2. **User Registration**
   * **Task:** Implement user registration.
     + **Description:** Develop the user registration process that includes validation of email, password strength, and role assignment.
     + **Priority:** High
     + **Estimation:** 4 days
3. **Password Management**
   * **Task:** Implement password reset functionality.
     + **Description:** Create a process for users to reset their passwords, including sending reset links via email.
     + **Priority:** Medium
     + **Estimation:** 3 days
   * **Task:** Implement password change functionality.
     + **Description:** Allow authenticated users to change their passwords from the user profile section.
     + **Priority:** Medium
     + **Estimation:** 2 days
4. **Role Management**
   * **Task:** Set up role-based access control (RBAC).
     + **Description:** Define user roles (e.g., admin, operator, driver) and implement RBAC for different parts of the system.
     + **Priority:** High
     + **Estimation:** 5 days
5. **Localization**
   * **Task:** Implement multilingual support for the authentication module.
     + **Description:** Add support for multiple languages, allowing users to select their preferred language during login.
     + **Priority:** Low
     + **Estimation:** 4 days
6. **Security Enhancements**
   * **Task:** Implement account lockout after multiple failed login attempts.
     + **Description:** Enhance security by locking out user accounts after a predefined number of failed login attempts.
     + **Priority:** High
     + **Estimation:** 3 days
   * **Task:** Implement CAPTCHA for the login and registration forms.
     + **Description:** Add CAPTCHA to prevent automated login attempts and bot registrations.
     + **Priority:** Medium
     + **Estimation:** 3 days
7. **User Profile Management**
   * **Task:** Create user profile management functionality.
     + **Description:** Allow users to view and update their profile information, including email, username, and language preferences.
     + **Priority:** Medium
     + **Estimation:** 4 days
8. **API Documentation**
   * **Task:** Document the Auth Module API.
     + **Description:** Create comprehensive API documentation for all endpoints related to the Auth Module.
     + **Priority:** Medium
     + **Estimation:** 2 days