Project Title: DONE - Context-Aware Task Manager Team Members: Dmytro Hannotskyi

1. Project Idea and Objective "DONE" is a smart task management application built with SwiftUI and CoreData. It goes beyond simple lists by integrating context-aware notifications. Users can attach physical locations to tasks, allowing the app to trigger reminders specifically when the user enters or leaves a relevant area (e.g., "Remind me to study when I arrive at the library").

2. Core Features

- Smart Task Management: Create, edit, and prioritize tasks using isUrgent and dueTo dates.
- Global Map Dashboard: An interactive MapKit view that visualizes all active tasks as pins on a world map. Users can tap a pin to see task details.
- Location-Based Context: Tasks can be assigned specific physical addresses (e.g., "Grocery Store").
- Geofencing (Background): The app monitors these locations to trigger notifications upon arrival or departure.
- Cloud Sync: Firebase integration for data backup and cross-device synchronization.
- Smart Sorting: Tasks are automatically sorted by completion status, urgency, and creation date.

3. Technical Architecture

Language: Swift / SwiftUI

Persistence: CoreData (Todo Entity) managed via a DateHolder environment object.

Architecture: MVVM-like pattern where DateHolder acts as the central logic controller for context saving, while Views handle local state.