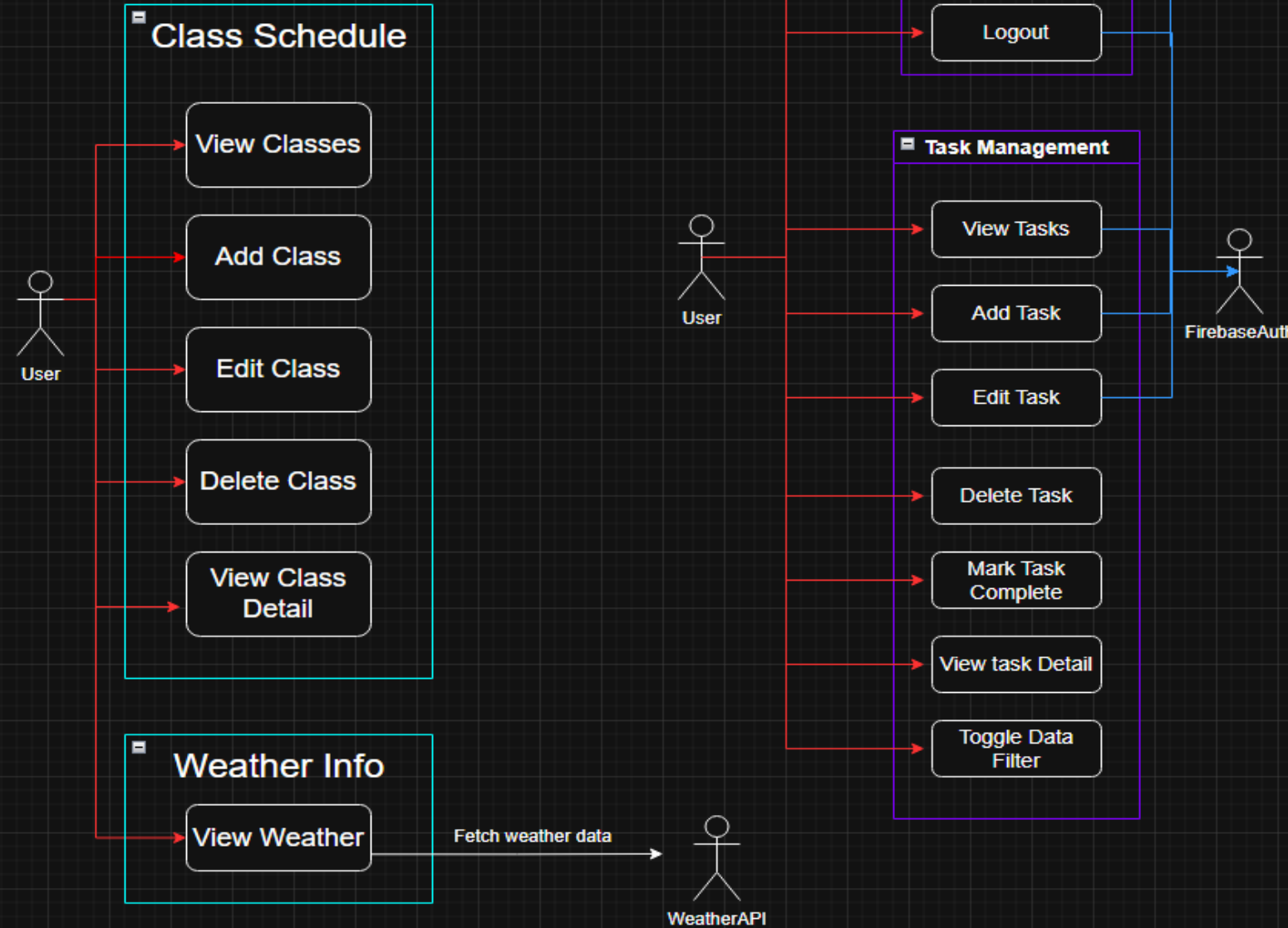


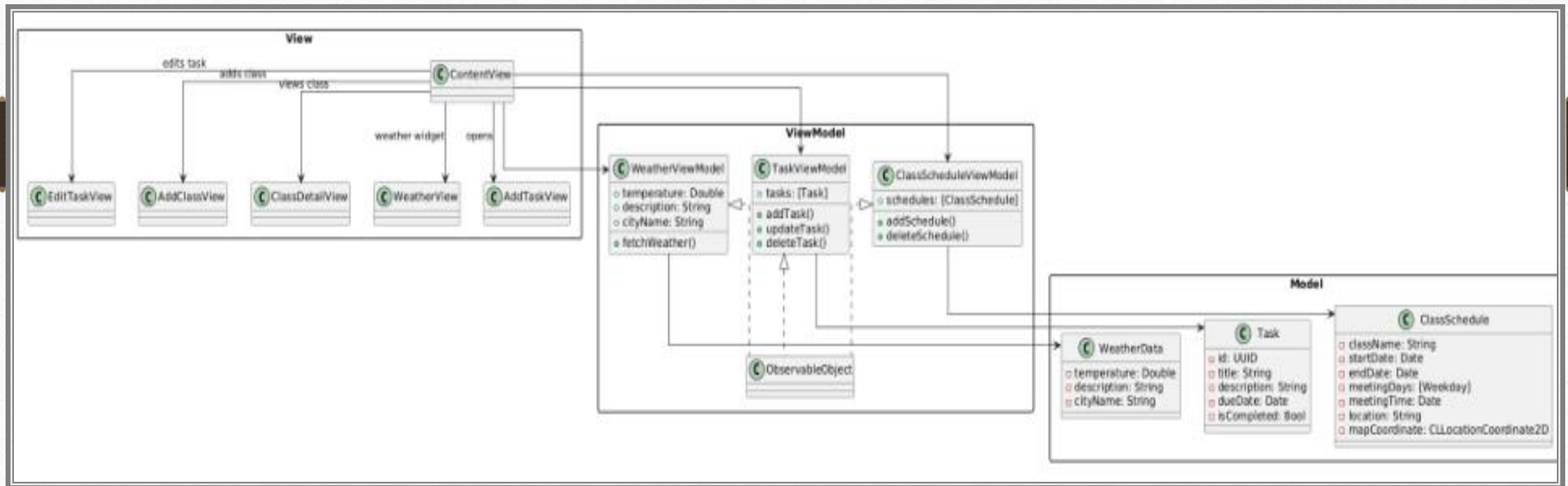
ClassTask: A SwiftUI MVVM-Based Academic Task Manager

- - SwiftUI mobile application for managing academic tasks
- - Built using Model-View-ViewModel (MVVM) architecture
- - Core functions: Add, Edit, Delete, Complete tasks
- - Simple, clean user experience for daily task tracking
- - Data handled locally without backend services

Use-Case Diagram



MVVM Architecture Diagram



App Capabilities

- - Add, edit, delete, and mark tasks complete
- - SwiftUI reactive interface with real-time updates
- - Organized and clean user navigation
- - SwiftUI Sheets, Lists, and Toolbars used
- - Lightweight and fast with minimal UI complexity

App Limitations and Lessons Learned

- Limitations:
 - - No persistent storage
 - - No user authentication
 - - No push notifications or alerts
 - - No cloud synchronization
- Lessons Learned:
 - - Mastered MVVM structure
 - - Improved SwiftUI skills
 - - Gained experience with data binding
 - - Understood UI and business logic separation

Suggestions for Future Improvements

- - Add CoreData or Firebase for persistent storage
- - Implement notifications for deadlines
- - Add task priority levels and filtering
- - Enhance UI with theme customization
- - Enable cloud sync and multi-device support
- - Integrate authentication for multi-user access