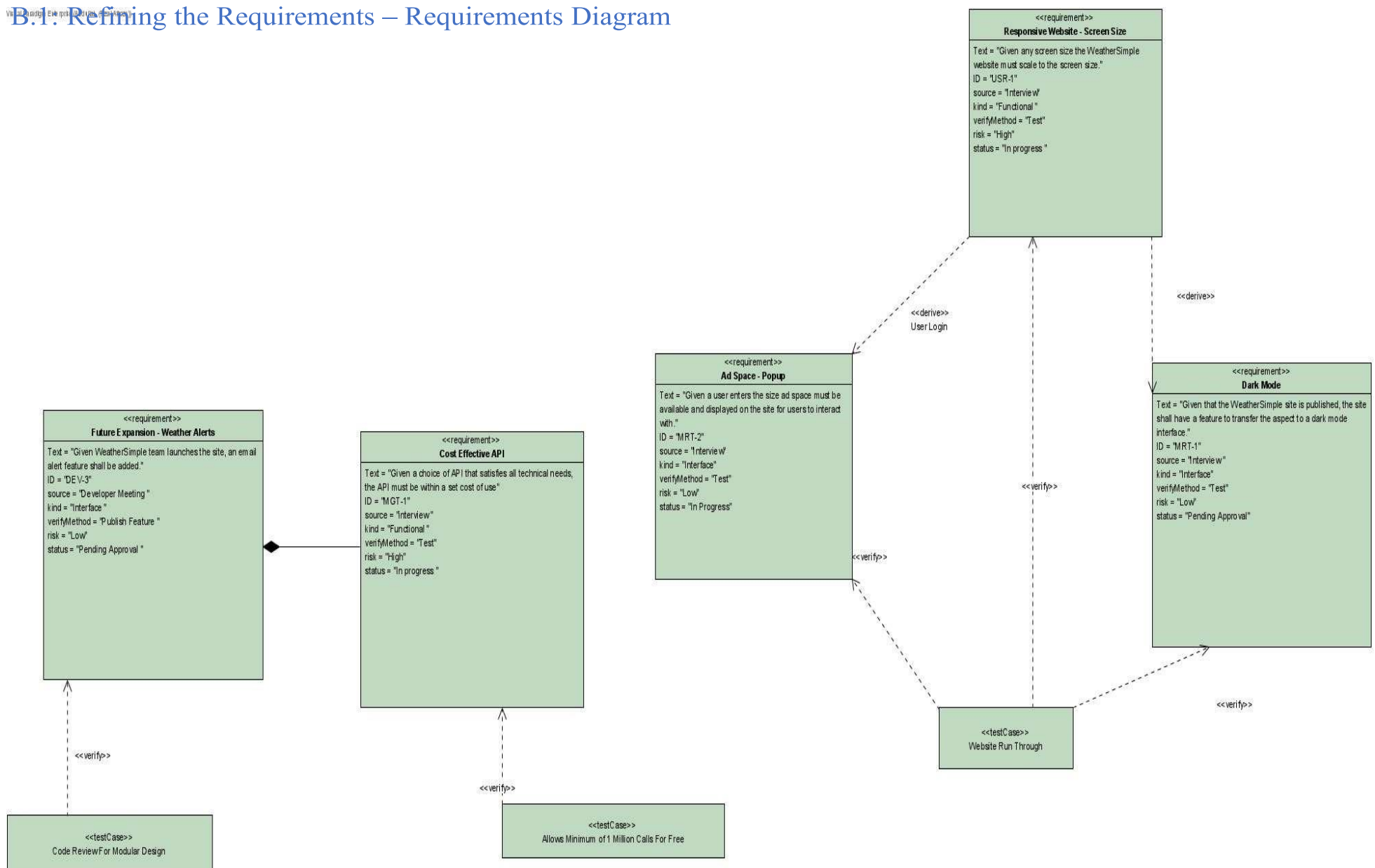
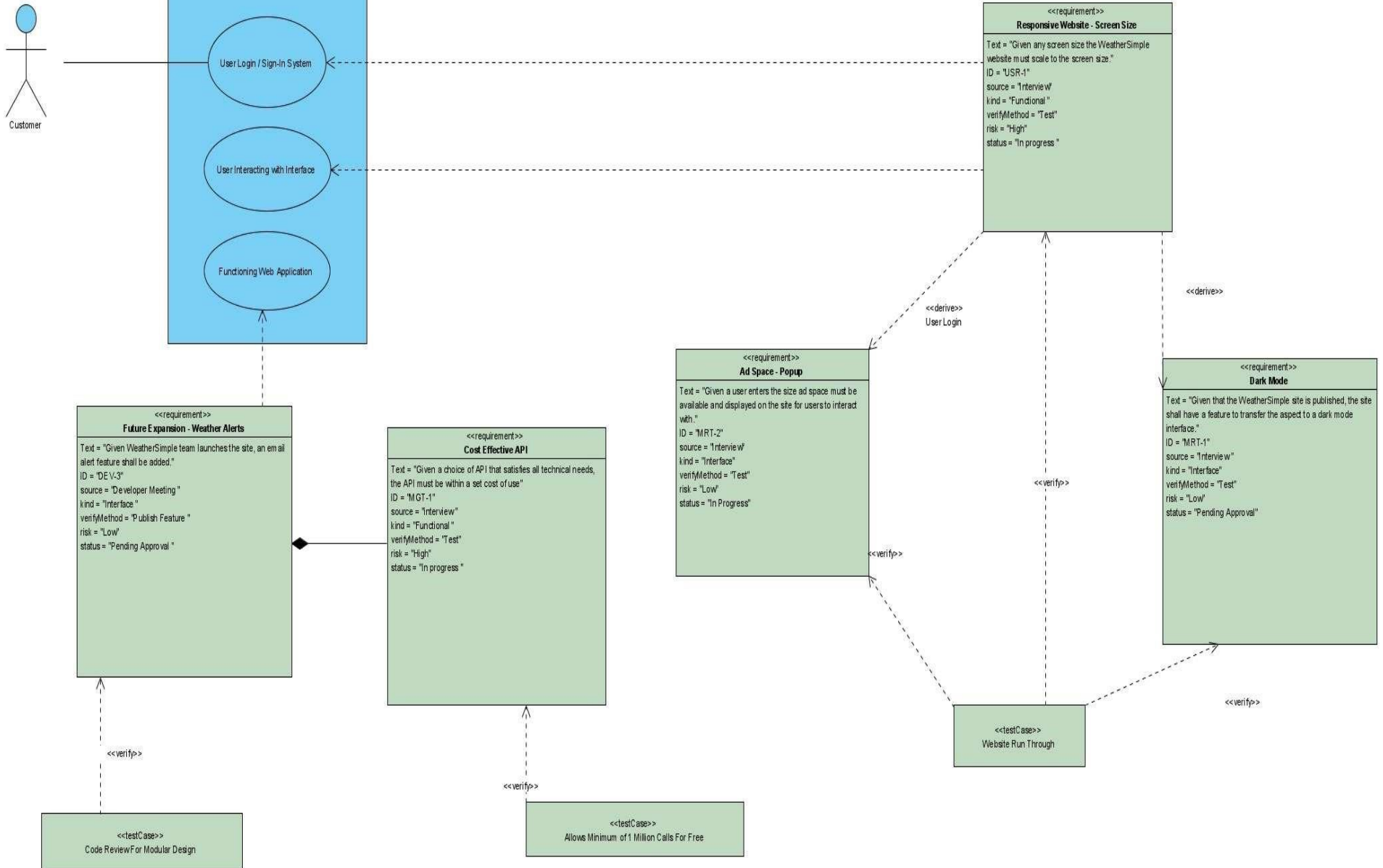


WeatherSimple

Requirements Modelling



B.2.1: Use Case Scenarios




B.2.2: Use Case Descriptions

1. User Login / Sign-In System

ID: UC -1

User signs into WeatherSimple database using email and password to retrieve account information and usage data

Justification	Enables the user to save weather data
Primary Actors	 Customer
Level	High
Complexity	Low
Use Case Status	Base
Implementation Status	Full
Preconditions	User must have internet connection User must be using JavaScript enabled browser
Post-conditions	User is signed in and preferences are saved
Author	N/A
Assumptions	N/A

1.1. Scenarios

1.1.1. Scenario

1. User enters email and password
 - 1.1. email is entered
 - 1.2. password is entered
2. System checks user login credentials
 - 2.1. Email is identified in database
 - 2.2. Password matches email
3. User logged in
 - 3.1. user data city data is retrieved


1.1.2. Scenario2

1. Registration prompt open
- 1.1. User enters email
- 1.1.1. Email is checked and added to database
- 1.2. User enters password
- 1.2.1. Password is associated and added to database
2. Sign in Prompt opens

2. User Interacting with Interface

ID: UC-2

The user will use the interface to retrieve weather and condition data in local and different areas

Justification	User needs to interact with site to retrieve information
Primary Actors	 Customer
Level	High
Complexity	Easy
Use Case Status	Base
Implementation Status	Full
Preconditions	User has JavaScript Enabled browser User has valid postal/zip code user has stable internet connection
Post-conditions	N/A
Author	N/A
Assumptions	N/A

2.1. Scenarios

2.1.1. Scenario


1. User enters postal or zip code

- 1.1. Weather data from database is retrieved
- 1.2. Weather and forecast data is displayed

3. Functioning Web Application

ID: UC-3

All aspects of WeatherSimple are fully functional to customer specifications

Justification	Web application needs to be fully functional for customer usage
Primary Actors	 Customer
Level	High
Complexity	Easy
Use Case Status	Base
Implementation Status	Full
Preconditions	User has JavaScript enabled browser User has valid postal code user has stable internet connection
Post-conditions	N/A
Author	N/A
Assumptions	N/A

3.1. Scenarios

3.1.1. Scenario

- 1. Sign in prompt is displayed
 - 1.1. user enters email and password
 - 1.2. user is logged in

3.1.2. Scenario2

- 1. Registration prompt displays
 - 1.1. user enters email and password
 - 1.2. user is registered

3.1.3. Scenario3

1. Location entry prompt is displayed
 - 1.1. User enters postal/zip code
2. Region data is retrieved from database
3. Weather conditions are displayed to WeatherSimple