

# Severe Weather Alert System

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## 1 Context/Background

For the course software product lines we are developing a software product line.

## 2 Motivation

Creating a software product line for a severe weather app is a compelling idea because the domain offers significant variability, with many weather-related features like temperature, precipitation, and wind that can be tailored to different user needs. Developing a minimum viable product is relatively straightforward, as the app could start with core functionalities like basic alerts for severe weather and expand later. Additionally, the project offers an opportunity to tackle the optional feature problem, where weather properties may seem independent but could have hidden dependencies during implementation. Finally, the app isn't heavily reliant on external services; weather data can easily be mocked during development, making it easier to test and iterate.

## 3 Methodology

- agile / remote
- git / github for code sharing
- featureIDE
- optional: include aspectJ if possible

## 4 Deliverables

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## 5 Area's of responsibility