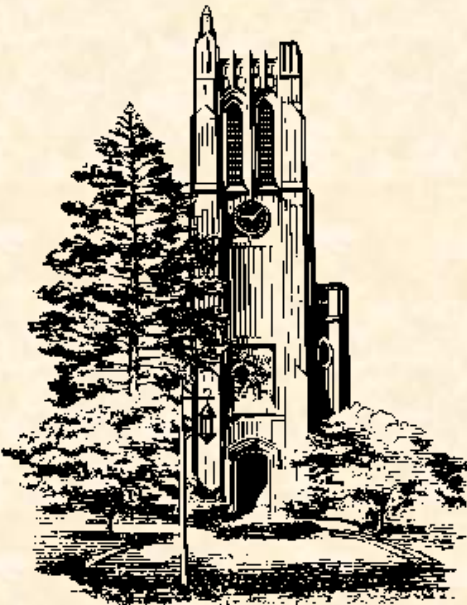# MICHIGAN STATE
U N I V E R S I T Y

Project Plan
Dashboard and Weather Incident Verification System

Team Auto-Owners
CSE 498, Collaborative Design

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Project Overview

- Insurance Claims Web Application
  - Used by Claims Associates

- Determine accurate weather history for specific location on specific date

- Compare weather history with claim
  - Helps Associate determine if claim is valid

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Functional Specifications

- Login based customization
  - Save user preferences
- List Policy Holder's Information
  - Policy Information
  - Begin Date
- Query's various weather services to obtain weather reports for a given location

- Optimized for Mobile Devices

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Design Specifications

- Customization
  - Save user preferences
- Search by policy holder or address
  - Specify types of results
- Return and display source of each result
  - Some are more credible than others
- Store results
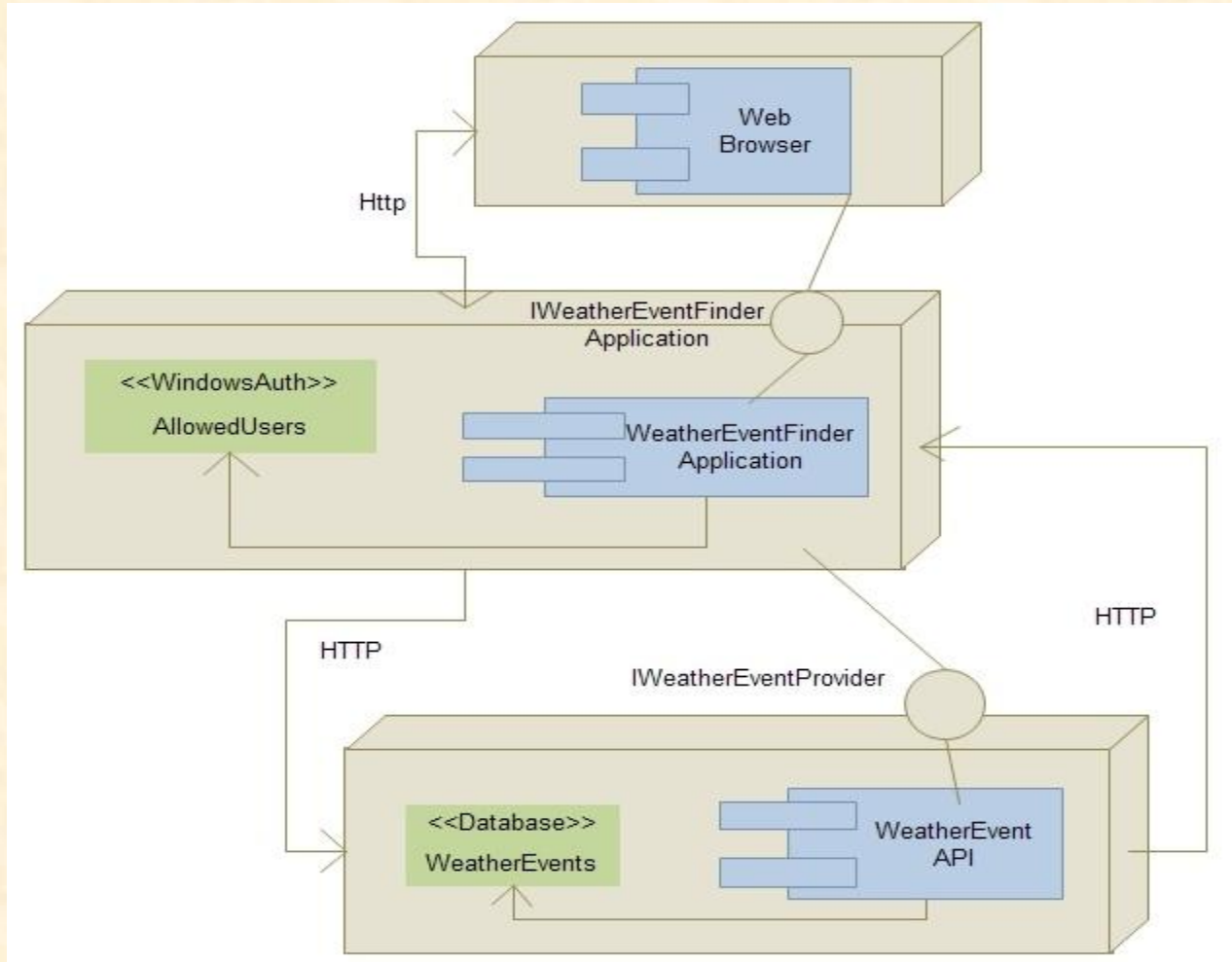 - File
  - Email

Screen Mockups

Screen Mockups Cont.

Technical Specifications

- Language
  - C#

- Development Software
  - Visual Studio 2008
  - ASP.NET MVC

- Version Control System
  - Git

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Architecture Illustrated

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System Components

- Hardware Platforms
  - PC
  - Mobile Device

- Software Platforms / Technologies
  - Windows 7 with ASP.NET MVC
  - Windows Server 2003 with ASP.NET MVC

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Testing

- Login Screen
  - Security Testing

- User Preferences
  - Saved Preferences

- Information
  - Accurate

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Risks

- ## WSRP
  - Glue together our portlet with Auto-Owner's portal
  - Can mock it out for now

- ## Ranking Weather Services
  - Determine accuracy of information from weather services
  - Can ask for Auto-Owner's experience

- ## Extrapolation of Weather Data
  - Determine weather between reported weather events
  - Can guess with midpoint formula of coordinates

- ## Weather API's
  - Each weather station has a different weather API
  - Pick most important and try to query them now