Snow Much Fun

Project Tools & Agile Methodology Summary

CSCI 3308 Software Development Tools and Methods

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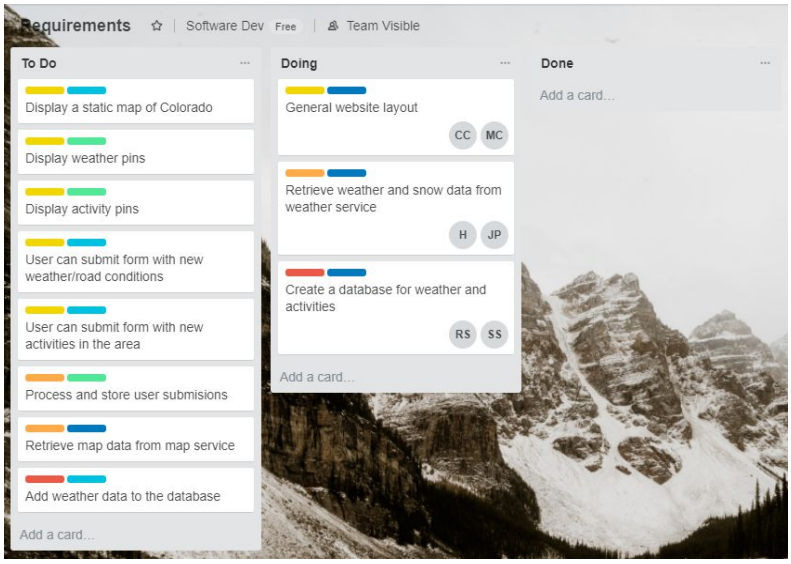
Project Management Software



We will be using Trello to keep track of the requirements / features that have been completed or are in progress. Below is a screenshot of the current of the Trello board. Different colors represent different parts of the software including front-end (yellow), middleware (orange) and back-end (red). In addition to which parts of the app each requirement is for, priorities are shown with the highest priority (blue) and then lower priorities (light blue and light green). The circles with initials are the people in the team who are currently working on that requirement.

Project Requirements

Functional

- General website layout
    - The website layout is the first thing a user will see when accessing the webpage.
    - The goal is to make the website easy to read so users can find the information they are looking for quickly.
- Display information on current conditions
    - A map of Colorado will be the main feature of the web page
- Display information on current conditions
    - Weather and activities as pins over their real locations
    - When clicked, these pins can open up a small panel containing more in depth information
- User can submit comments to contribute beta on weather, snowpack, road conditions, etc
    - When clicked a form where users can add new information about weather they are experiencing in the area.
    - User will have access to real time data and eye witness accounts of the conditions.
- User can submit activities in the area
    - When clicked a form where users can add new information about activities in a location

Non-Functional

- Create a database for weather and activities
    - A database allows us as developers to manage all the different activities and weather data from apis or user forms.
- Process/store user submissions and logins
    - User information needed to be saved in the database after it is entered so other users can see what might be relevant to them.
- Retrieve map data from map api
    - Data from google maps needs to be accessed before it can be displayed.
- Retrieve weather/snow data from weather service
    - Data from a weather service needs to be accessed before it can be displayed.

Project Plan and Schedule

A more detailed chart of this process has been attached, but can be covered briefly here as well. The project can be broken into three main components: frontend / user interface, backend / database management, and weather info / map management. This will change as our project continues, as some task and groups will complete their objectives faster than others. Currently, our teams are:

Frontend: Matthew, Colin

Backend: Sijan, Robert

API / Info: Hunter, Jarrett

Agile Stand-Up Meeting

1. What have you completed since the last meeting?

   Hunter/Jarrett: Did research on a Javascript API that would allow us to retrieve weather data for various locations around Colorado.

   Matthew/Colin: Designed the general look of the website on paper and began translating the drawing into html code. Decided how many webpages are needed for the website.

   Robert/Sijan: Researched on the account login setup with password feature to login to their accounts and drafted some activities for the user to choose from. Drafted html user submit form and database outline in mySQL.

2. What will we have completed before the next meeting?

   Hunter/Jarrett: Write a javascript program to begin retrieving weather data.

   Matthew/Colin: Complete the basic html code with places for all the features.

   Robert/Sijan: Complete the basic codes for account setup and activities to choose from as a web page with some password capability. We will also work with the API team to format the database.

3. What are some obstacles we faced?

   Hunter/Jarrett: We had some issues with properly formatting the syntax of the output. This simply required more careful instruction.

   Matthew/Colin: There were some issues formatting the sidebar so that it would not cover the main webpage. Changing some of the attributes help solve the issue.

Robert/Sijan: There were issues with matching the password with the login credentials with the account to the retrospective user and currently researching on the subject.

4. Agile Retrospective:

   The agile method gives us the opportunity to check in with all team members and learn how the entire project is going. It also gives us a chance to redistribute team members to tasks that may need more people working on them.

CSCI 3308 Snow Much Fun Waterfall Chart

	Baseline	B									
	Completed on time										
	Completed early	#	# incidicates the # of days early								
	Completed late <1wk	#	# incidicates the # of days late								
	Completed late >1wk	#	# incidicates the # of days late								
	Inprogress and expected early	IP									
	Inprogress and expected ontime	IP									
	Inprogress and expected < 1wk late	IP									
	Inprogress and expected >1wk late	IP#	# indicates the new expected completion week								
	Not started	NS									
	Current week										
	Personel	Hunter Belcher (HB)	Matthew Chamot (MC)	Colin Chen (CC)	Jarrett Philips (JP)	Robert Sewell (RS)	Sijan Shrestha (SS)				
Task #	Task Description	9-Mar	16-Mar	23-Mar	30-Mar	6-Apr	13-Apr	20-Apr	27-Apr	4-May	S	Comments
	Functional											
1	General website layout	IP (CC, MC)		B								
2	Display a map of Colorado	IP (CC, MC)			B							
3	Display weather/activities/points of interest					B						
4	User can submit form with weather info							B				
5	User can submit form with new activities							B				
	Non-Functional											
6	Create a database for activities	IP (RS, SS)			B							
7	Process user submissions	IP (RS, SS)			B							
8	Retrieve map data from google maps			B								
9	Retrieve weather/snow data from weather service	IP (HB, JP)		B								