Sprint 1 Materials

Tourist Watch

[Optional Team Logo]

Jack Boller
Vidith Madhu
Member 3
Member 4

Retrospective Summary

We were able to implement the necessary features for Sprint 1's minimum viable product (MVP). This will allow us to conduct user studies and get valuable feedback on how to improve the user interface. All of the team members were satisfied with using Discord as our means of communication. However, we had several issues regarding team communication that resulted in team members being late to meetings or not showing up entirely. To resolve this, we have discussed how everyone should show up to the lab and lecture unless there is an extenuating circumstance. During the development process, we made some changes to our product backlog after testing several of the APIs and realizing that different ones would be more suitable to our needs. Despite completing almost all of our tasks in the product backlog, it will serve us better in future sprints to finish tasks earlier. This will allow us to resolve any integration issues we are having while testing our application. Another area of improvement for the team is to be more specific when bringing up issues faced in the development process. For example, instead of simply stating what the error is, we should also describe the attempts we have made to fix the problem. Now that we have started the development process, it is clear that we need to discuss in greater detail the architecture and design of our application. Given that our product backlog was made before development even began, we will be making more detailed tasks after further discussion of our application's design.

GitHub Release Link

https://github.tamu.edu/jackboller1/CSCE315_Project3_Group19/releases/tag/v0.1-sprint1

Product Backlog

Task	Priority	Sprint	Dependencies	Time Estimate	Status	Assignee
Location search bar	Med	1	6	1	Complete	Vidith
OpenStreetMap/OpenLayers integration	High	1	NONE	2	Complete	Vidith
Display crime points around fixed location	High	1	6	1	Complete	Vidith
Map zoom features	Low	1	6	1	Complete	Vidith
Generate lat/long in JSON based on address given by user	High	1	8	3	Complete	Jack
Generate API Keys for crime data	High	1	NONE	1	Complete	Jack
Create and setup PositionStack API for geocoding	High	1	NONE	1	Complete	Jack
Webserver Setup	High	1	None	2	Pending	Jason
Crime data caching	High	1	9	3	Not Started	Jason
Crime density calculator	High	2	9	1	Not Started	
Crime density range estimator	High	2	9	1	Not Started	
Map feature dependent Coloring	Low	2	6,9	2	Not Started	
Crime category drop down	Med	2	9	1	Not Started	
Crime data filtering function	High	1	9	2	Pending	Jack
MongoDB Atlas Credentials	High	1	NONE	2	Complete	Vidith
Collection to store testimonies	High	2	1	2	Not Started	
Local Testimony Panel	High	2	1	1	Not Started	

Add Testimony Function	High	2	1	3	Not Started	
Testimony Interface Elements	Med	2	1	1	Not Started	
Testimony Sorting Function	Med	2	1	2	Not Started	
Testimony upvote function	High	2	1	1	Not Started	
Testimony panel scroll function	Low	2	1	1	Not Started	
Testimony to address link	Low	2	1,6	1	Not Started	
Testimony Input Fields	High	2	1	1	Not Started	
Testimony category dropdown	High	2	1	1	Not Started	
Create Testimony button	High	2	1	2	Not Started	
Yelp API Credentials	Low	3	NONE	2	Not Started	
Yelp API code interface	Low	3	24	3	Not Started	
Yelp pull data	Low	3	24	2	Not Started	
Yelp filter results	Low	3	24	2	Not Started	
Email authentication with Firebase	Med	3	NONE	2	Not Started	
Collection to store user account/login information	Med	3	1	1	Not Started	
Sign in/Create Account	Med	3	2,1	3	Not Started	
Sign in input fields	Med	3	2,1	1	Not Started	
Hide password	Low	3	28	1	Not Started	
Sign in button	Low	3	2,1	1	Not Started	
Create Account Button	Low	3	2,1	1	Not Started	
Credential Authentication	Med	3	2,1	2	Not Started	
Security for invalid password email	Med	3	2,1	1	Not Started	

combination						
Create Account input fields	Med	3	2,1	1	Not Started	
Check if Email already exists	Med	3	2,1	2	Not Started	
Check if password and confirm password fields match	Med	3	2,1	2	Not Started	
Profile Page fields	Med	3	2,1	1	Not Started	
Profile page popular testimonies	Low	3	2,1	2	Not Started	
Change account settings	Med	3	2,1	2	Not Started	
Partnership points program	Low	3	1	2	Not Started	

Sprint Backlog

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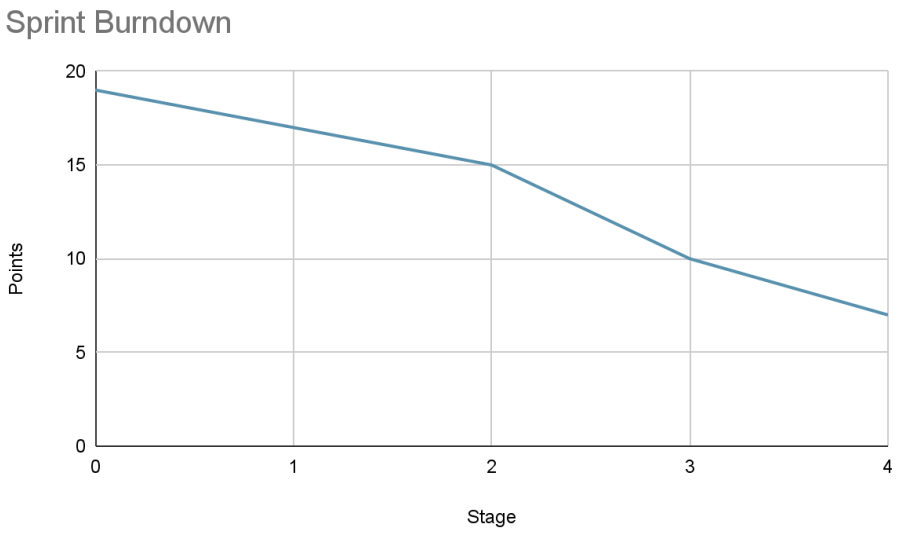
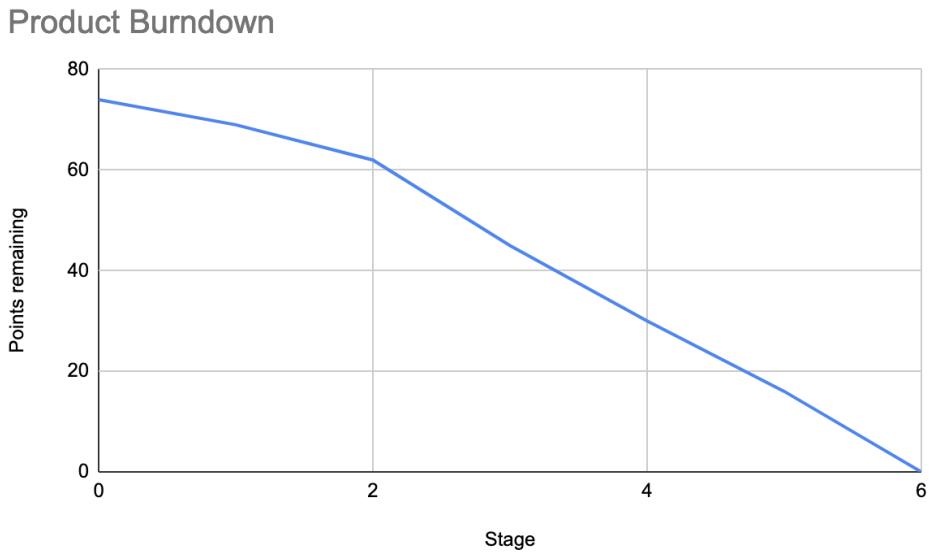
Crime data filtering function	High	1	9	2	Pending	Jack
MongoDB Atlas Credentials	High	1	NONE	2	Complete	Vidith
Summary	**Jack**	**Vidith**	**Jason**			
Completed user story points	5	7	0			

Burn-down Charts





Next Sprint's SCRUM Meeting Schedule

Scrum Meeting 1: 4/10

Scrum Meeting 2: 4/15

Scrum Meeting 3: 4/18

Appendix 1: SCRUM Meeting Agendas and Minutes

SCRUM Meeting 1 for Tourist Watch
Prepared by: Jack Boller
Meeting Date: 4/1/2022

Meeting Attendees

1. Jack Boller
2. Vidith Madhu
3. Jason Zhao

Meeting Agenda Items

- Decide which user stories are to be completed in Sprint 1
- Assigning user stories to each group member for Sprint 1
- Define MVP for end of sprint 1

Status Update Since Last Meeting

Accomplishments:

- N/A (this is the first meeting)
- N/A

Tasks Completed:

Task Description	**Assigned to**	**Completed? (yes/no)**
N/A		
N/A		

Before The Next Meeting

Plans:

- Begin working with Crime APIs
- Setup basic maps interface
- Have the heroku server set up to load webpages and launch code on

Task Assignments:

Task Description	**Assigned to**
Create API key for 1 city's crime data and make API calls based on user-provided filters	Jack
Demonstrate maps interface	Vidith
Setup and configure Heroku server backbone	Jason

Minutes from Previous Meeting

N/A (this is the first meeting)

SCRUM Meeting 2 for TouristWatch
Prepared by: Vidith Madhu
Meeting Date: 4/3/2022

Meeting Attendees

4. Jack Boller
5. Vidith Madhu
6. Jason Zhao
7.

Meeting Agenda Items

- Discuss progress
- Setup Heroku hosting, demo basic backend functionality, frontend functionality

Status Update Since Last Meeting

Accomplishments:

- Setup sample map interface, decided on mapping technology
- Used Positionstack API to convert address into coordinates
-

Tasks Completed:

Task Description	**Assigned to**	**Completed? (yes/no)**
Setup/demonstrate maps interface	Vidith	yes
Create API key for 1 city's crime data and make API calls based on user-provided filters	Jack Boller	yes
Heroku setup	Jason Zhao	no

Before The Next Meeting

Plans:

- Implement the search functionality for the user
- Complete Heroku set up and work on integration

Task Assignments:

Task Description	Assigned to
Setup marker placement, search functionality for map	Vidith
Work on integrating Flask backend with the client	Jack

Minutes from Previous Meeting

Our team began the meeting by deciding what the MVP (minimum viable product) would be for the end of the 1st sprint. We decided that we would let the user enter an address, and the crime data for that particular location would display on the map. The meeting ended with us discussing how the tasks would be divided as well as modifying the product backlog.

SCRUM Meeting 3 for Tourist Watch
Prepared by: Jack Boller
Meeting Date: 4/6/2022

Meeting Attendees

8. Jack Boller
9. Vidith Madhu
10.
11.

Meeting Agenda Items

- Discuss remaining deployment issues
- Assign tasks for the sprint due tonight

Status Update Since Last Meeting

Accomplishments:

- Heroku app deployed
- Integrated Flask server with the client

Tasks Completed:

Task Description	**Assigned to**	**Completed? (yes/no)**
Work on integrating Flask backend with the client	Jack	Yes

Before The Next Meeting

Plans:

- Design high-level architecture of the application
- Decide the MVP for the second sprint

Task Assignments:

Task Description	**Assigned to**
Write up draft for requirements of MVP at the end of sprint 2	Jack

Minutes from Previous Meeting

We discussed progress for the tasks to be completed by meeting 2. We successfully set up the Flask application to return crime data for a single city and set up a basic maps interface. We also made progress on hosting the application on Heroku, however there are some complications we are still trying to sort out with this.