Tourium: Sprint 1

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Overview

- Guided tours
  - Benefits: education
  - Difficulties: accessibility by offline mobile devices, ease of creation, cost.
- Aim: give the audience the ability to create location-based guided tours around publicly accessible properties.
- Intended Audience: public land managers, public service volunteers, community members, and visitors.

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Sprint Goal

- Have a minimum functioning version of the application

- Create and manage user and management accounts

- Create and manage tours

- Build friendly-looking UI for Sign Up and Login

- Integrate Google Maps and backend with application

- Develop App Logo

Major Sprint Achievements

1. Management of User and Manager Accounts

2. API calls with Google Maps

3. Integration with Firebase for the Backend

4. Created Google Firestore Database

5. Designed Application Specific Key Value Pair
    Scheme for Firestore Database

6. Created Application Logo

Project Backlog and Sprint Backlog

Modify Tour

Modify Point of Interest

Activate/Deactivate Tour

QR Code to Access Trails

Verify Manager

Record Route in Person

Visitor Upload Images

Visitor Comments

Able to see nearby trails based on location

Brief tutorial at beginning of app

Moderate Comments/Images

In Medias Reas Tour Commencement

Report Trail Issue

Location Profiles

Abort Tour while in Progress

Able to manage a tour from a website interface

Disclaimer warning users to not trespass

Scavenger Hunt

Manager Use Statistics Reports

Download Offline Map

Hashtag Integration

Report App Issue

Lessons Learned

- Google Maps API has a learning curve - SHA-1 certificates
- How to correctly use github from Android Studio
- How to use Android Studio and write activities
- Debugging Google Maps/Firebase error messages

Not Completed

- Correctly configure SHA-1 certs
- Create tours/use firestore

Next Sprint Goals

Sprint 2 goals

- Differentiate user types (Manager vs. User)
- Begin creation of tours and information management using Firestore (database backend of Firebase)
- Full user management (verify email)

Sprint 3 goals

- Make manager use easier
- Automate features for managers (i.e. usage statistics)