



Tourium: Sprint 2

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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.



Sprint Goal

- Differentiate user types
 - Manager vs. User
- Begin creation of tours and information management using Firestore
- Finish user management
 - verify email

Major Sprint Achievements

1. Create and delete tours
2. Create points of interest
3. Change user emails and passwords
4. Verify emails
5. Error and warning messages



Project Backlog and Sprint Backlog

Abort Tour while in Progress
In Medias Reas Tour Commencement
Visitor Upload Images
Visitor Comments
Moderate Comments/Images
Report Trail Issue
Report App Issue
Able to see nearby trails based on location
Brief tutorial at beginning of app
Scavenger Hunt
Download Offline Map
Hashtag Integration

Verify Manager
Record Route in Person
Modify Point of Interest
Location Profiles
Able to manage a tour from a website interface
QR Code to Access Trails
Manager Use Statistics Reports

Lessons Learned

- Working remotely is difficult

Not Completed

- User functionalities: taking a tour live
- Verifying managers

Next Sprint Goals

Sprint 3 goals

- Implement going through tours
- Make manager use easier
- Automate features for managers (i.e. usage statistics)
- Add user features

Test Cases



```
@Test
public void testTourManagerId() {
    String managerId = "AbZc";
    testingTour.setManagerId(managerId);
    assertEquals(testingTour.getManagerId(),managerId);
}

@Test
public void testTourDocId() {
    String docId = "QRst";
    testingTour.setDocId(docId);
    assertEquals(testingTour.getDocId(),docId);
}

@Test
public void testTourLatLong() {
    double latitude = 33.191536;
    double longitude = -87.474857;
    testingTour.setLatitude(latitude);
    testingTour.setLongitude(longitude);
    LatLng test = new LatLng(latitude,longitude);
    assertEquals(test, testingTour.getLatLng());
}
```