

Proposal Template:

Project Participants:

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Title:

Trai reports database

Executive Summary:

This project is intended to provide a web api to submit reports on issues and reviews of hiking trails. The application will store information on the trails including their difficulty, length and location using a spatially enabled column. Users will be able to submit a Trail review, including ratings and a description. Users will also be able to submit an overall trail condition report (i.e. muddy or snowy trail conditions, crowded). They can also submit point reports (i.e. bridge damaged or tree fallen over trail).

Initial Features:

Create a bulleted list of planned features you plan to have completed in your project by the deadline. This should include a list of API endpoints for each feature. If you are working in a group, please note which team member will be assigned to each feature.

Example of list of Features/Endpoints for a Library API:

- Entities: Trails, Users, Reports.
- A User can perform the following operations:
 - Login, and use system
 - See all trails (Get on trails).
 - See trails by permitted use
 - View all reviews about a specific trail (GET on reviews by trail_id)
 - Leave review on a trail (POST in reports)
 - Read reviews on a trail (GET on BookReviews)
 - Leave a report of a trail issue
 - Delete a report
 - Edit a report they authored
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Stretch Goals (to be completed if time allows, or after graduation):

This system could support infrastructure reporting on any number of facilities. Stretch goals include more tightly integrating it with more spatial enabled data stores than my sql and making the service conform with the OGC