Smart Hiking Tracker

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Many outdoor adventurers want to get specific information about hiking trails in their area. Some apps provide this in the form of overview information or user trip reports. This app would aim to allow hikers to share a more detailed account of their hike and allow other users to see a more detailed overall picture of the route.
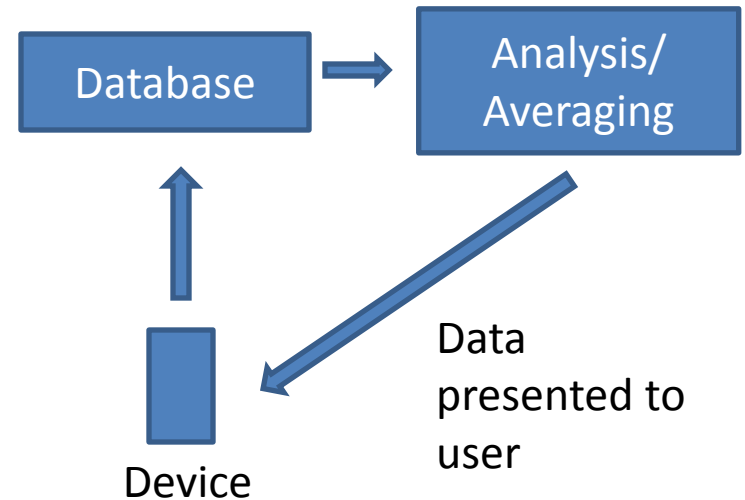
Motivation:

- Hikers want to get rich information about routes in their area.

- Hikers want a better way to actively access this information.

- Apps provide only basic hiking route location information and ability for users to compose trip reports.

Solution:

- GPS enable devices can automatically record all kinds of location specific information.

- Users can augment this with manual information

- Devices will create more detailed trip reports that contribute to wealth of accumulated information on the route.

- Users can see average speed, time and location information for all of those who have used route.

Design

- GPS enabled devices collect trip information
- Server hosts user trip records and overall route info
- Devices can view this information in a customizable way

Database → Analysis/ Averaging

Data presented to user

Device

Challenges

- Requires on site testing
- Bogus collected data
- Data interpretation could be flawed
- Featuritis (many possible aspects could be reported)