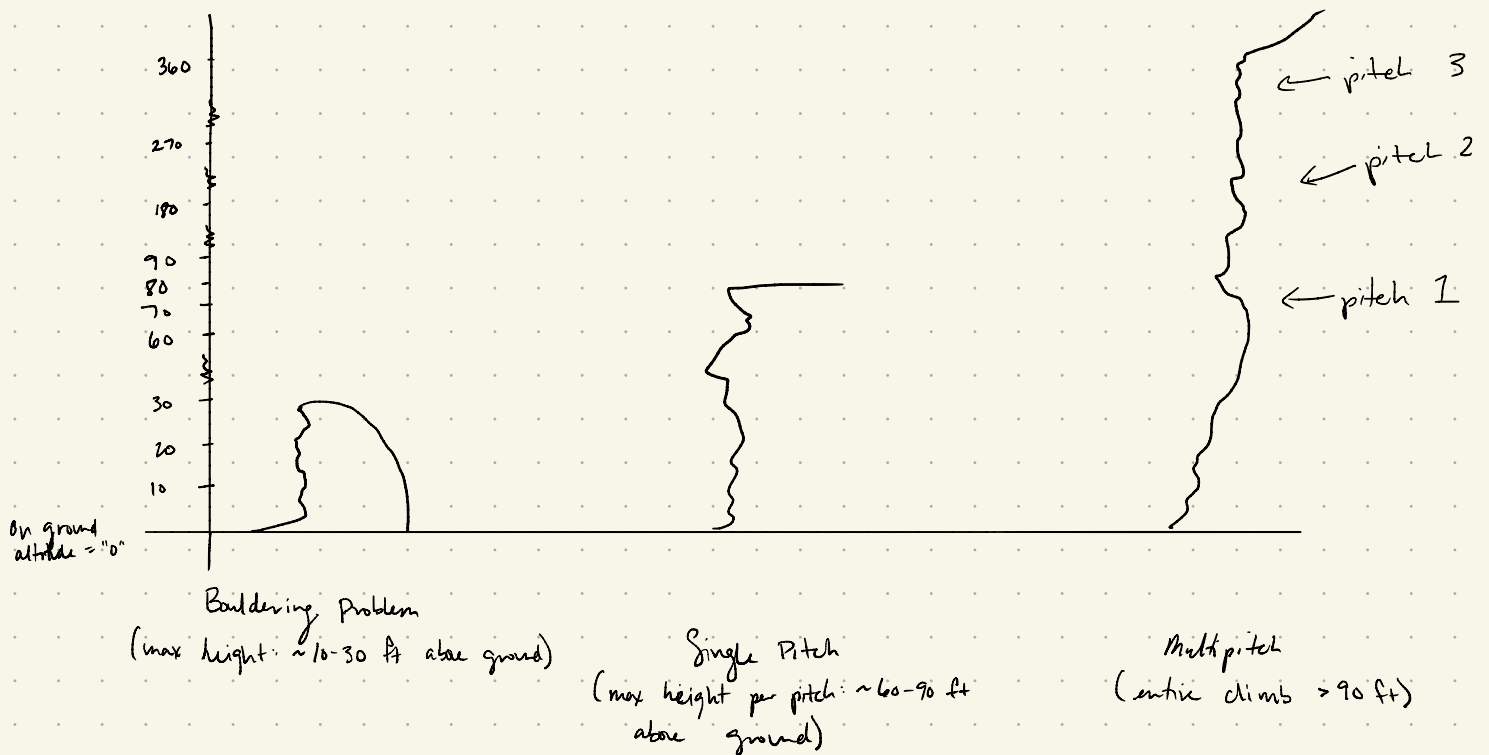


# Climbing Garmin App

Goal: Create an app that monitors:

- Heart Rate (HR)

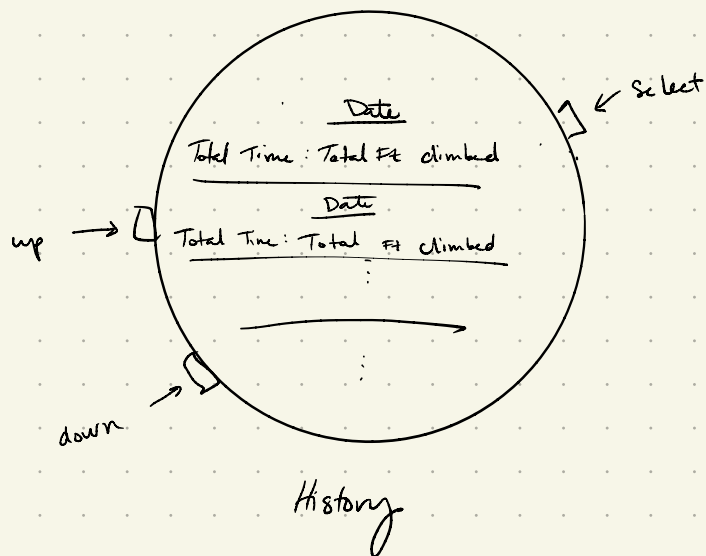
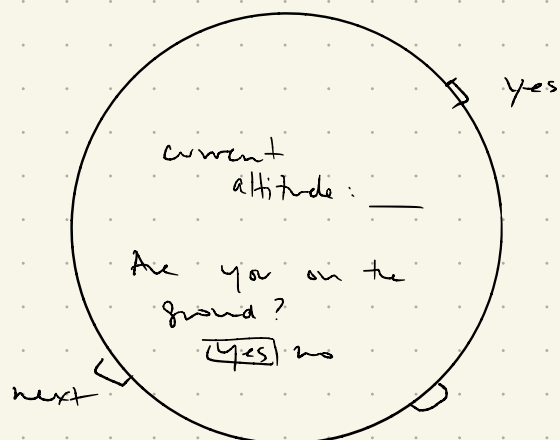
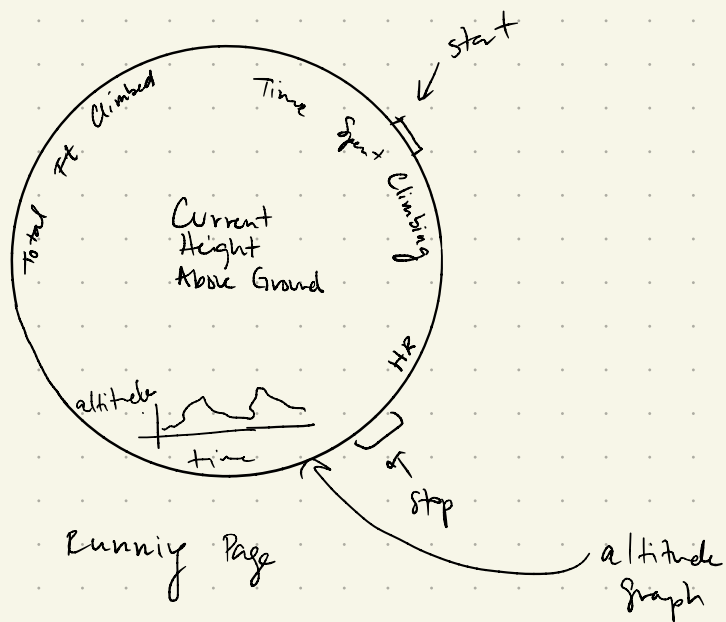
- Climbing stats based on the user's on-ground altitude and then the change in altitude until the user stops the climbing activity.



## Prior Art:

- Climbing Application by Jiri: Records number of climbs in a day, HR, current climb stats, grade (i.e. V4) and status (climbing or idle)
  - Boulder/Climbing Wall by eran-levi: records climb time, HR, climb ascent, grade and start/stop
  - Climbing Master for Strava by genivsurist: connects to Strava account
  - Four Climbs+ by DaveBrillhart: records elevation, total ascent, grade + V&VN
- All apps above seem to require the user to start/stop between climbs and/or ask the user what grade per climb. I would like to have an app that requires little to no feedback from the user while they are out climbing.

# Watch App Design



Ask the user if they are on the ground.

- ↳ yes: record altitude as starting altitude, begin monitoring HR, +  $\Delta$  in altitude
- ↳ no: notify the user they need to be on the ground before the activity can begin