Name: Thomas Lillis Title: Trail Running Pal

Project Summary: A program for logging trail runs to view progress and set goals. Also used

for coaches to monitor and organize their runners.

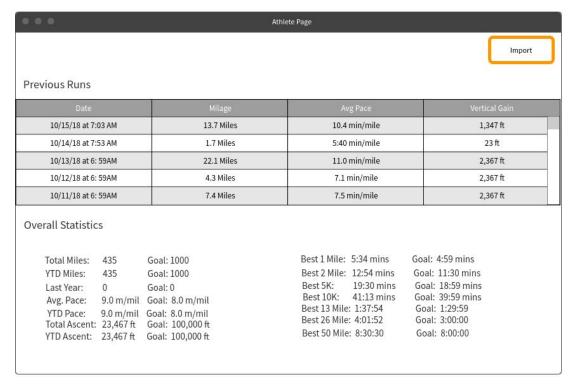
Project Requirements:

UR-ID	Requirement
UR-01	Athlete/Coach, can create an account
UR-02	Athlete can input run data (miles, mile times, vertical gain, etc.)
UR-03	Athlete/Coach can view run stats calculated from run data
UR-04	Athlete/Coach can visualize run data with graphs
UR-05	Athlete/Coach can view historical overall stats
UR-06	Athlete/Coach can view historical visualizations
UR-07	Athlete/Coach can set goals for Athlete
UR-08	Coach can add Athlete to team
UR-09	Coach can create team
UR-10	Coach can browse Athletes in team
UR-11	Coach can compare (numerically and graphically) Athletes

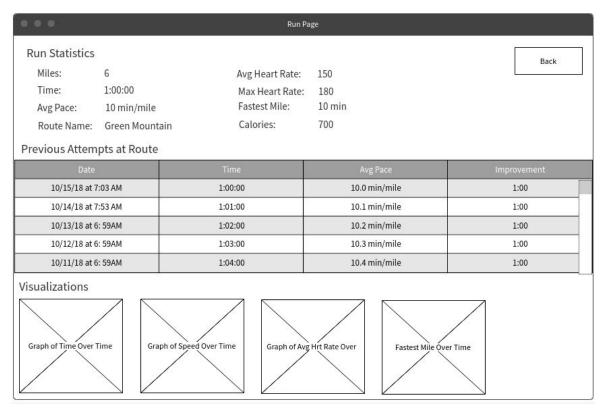
UI Mockups:



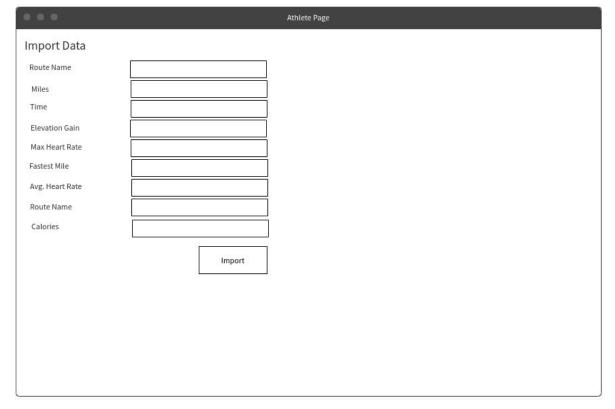
Login brings user to either Athlete page or Coach page depending on which is selected. If Create account is selected account will be made with username and password and user will be brought to correct page.



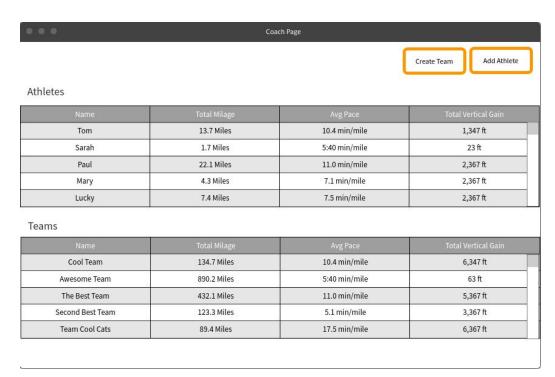
Athlete can import a run by clicking import button. Can change goals by clicking on goal number and typing new goal. Can see previous runs by clicking on items in table. Table is scrollable.



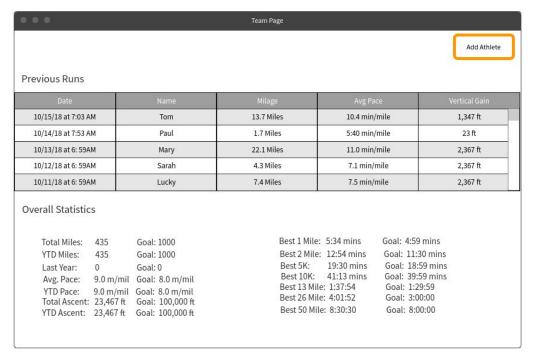
Can see run data on run page.



Import data on import page.

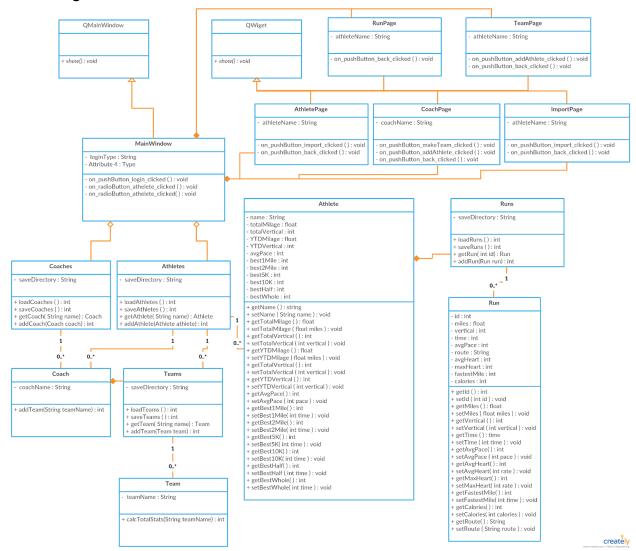


Coach can see Athletes and teams they manage. Can add Athlete by name entry (looks up in database of users). Can create new team. Can click on Athletes to view athlete page or team page to view team page.



Can see team overall stats. Can see Athletes on teams workouts. Can click on run to see more run data.

Class Diagram:



Note: QMainWindow and QWidget are classes from Qt framework so do not have members or functions. UI objects are stored in .ui files each "page" only has functions for interacting with the interface. Will need to add more interaction functions when I get more comfortable with the Qt framework. Do not have design patterns incorporated yet.