

Cycling Report

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Description

This is an application that helps cyclists record and review daily and yearly cycling information. It relies heavily on date automation so that the user no longer needs to hard code dates to record data. Also it has the capability to upload and display pictures so users never forget their memories captured on their rides.



Features

- Users can log in for security of their data
- Users can input speed and distance data to populate data tables
- Users can upload and view photos



Planning - User Stories

- Users can register and log into site
- Users can view monthly and yearly tables of their data
- Users can input data to populate the tables
- Users can upload, view and delete photos



Planning - Database

Model Classes/Tables

- Entry
- Year_Totals (Populated from Entry table)
- User
- Images



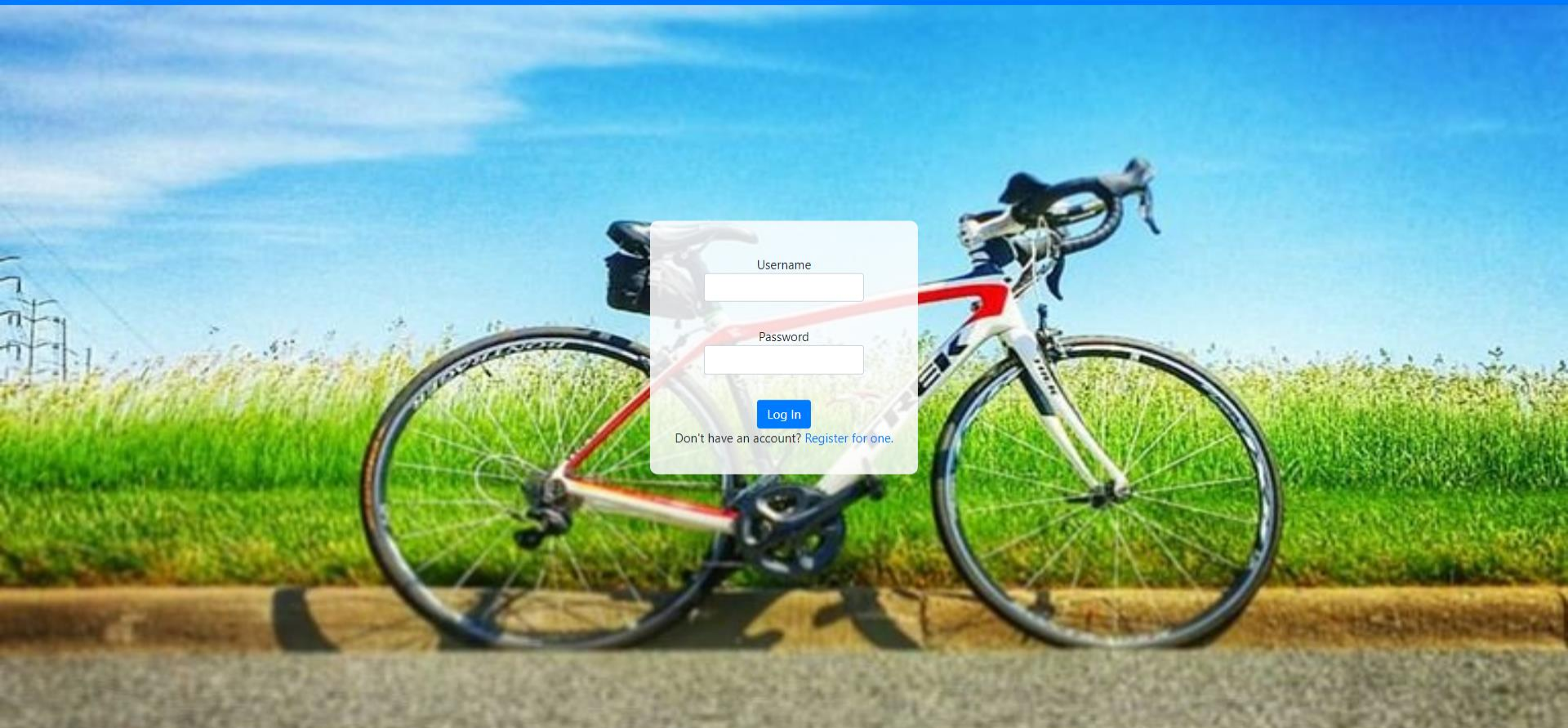
Technology Stack

- Java
- JavaScript
- Thymeleaf
- Hibernate
- MySQL
- Bootstrap



Demo





Username

Password

Log In

Don't have an account? [Register for one.](#)

Username

Password

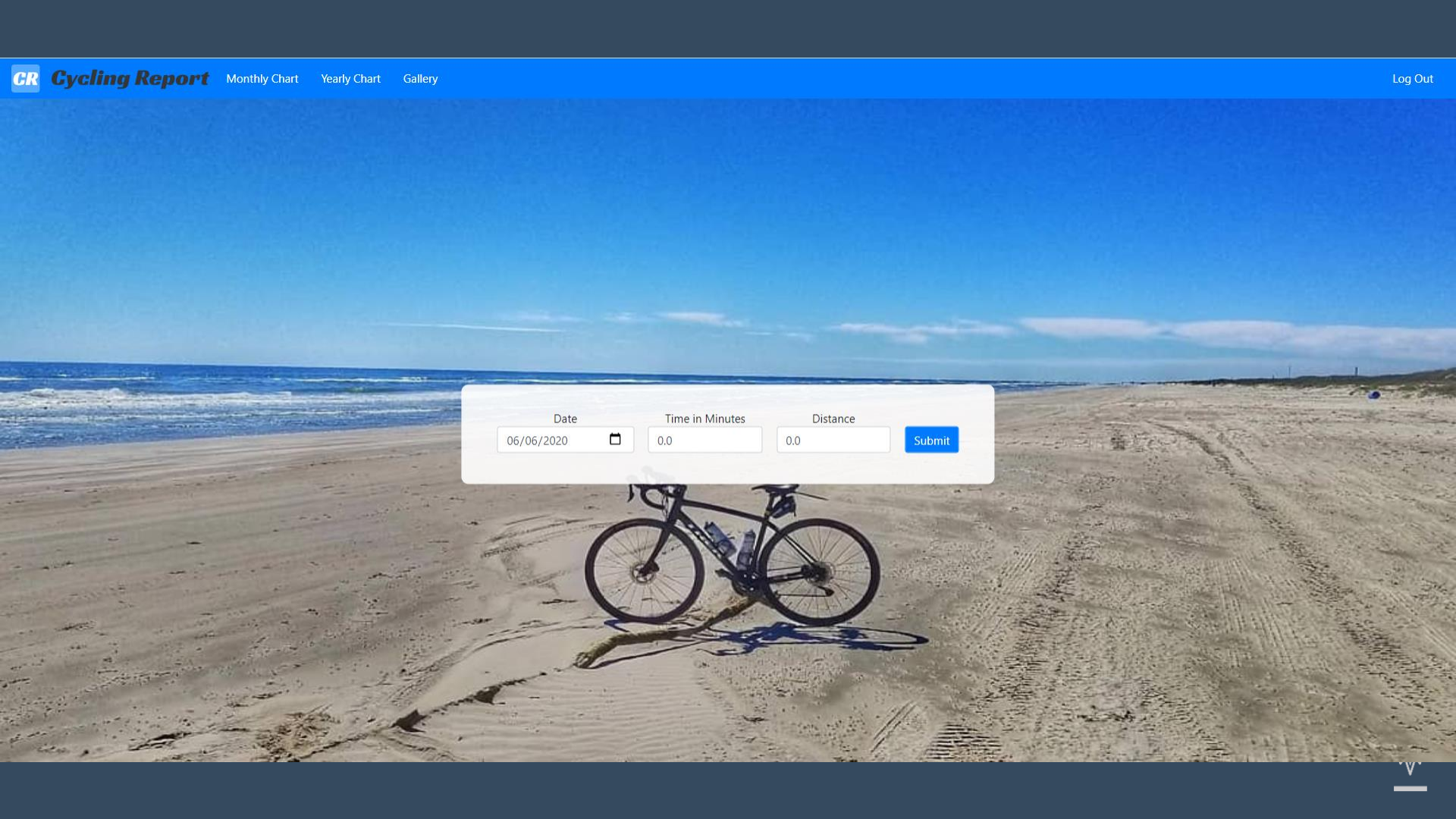
Verify Password

Register

Return to Entry Form



Date	Speed	Time	Distance	Weekly Total
01-Mar	0.0	0.0	0.0	0.0
02-Mar	0.0	0.0	0.0	
03-Mar	0.0	0.0	0.0	
04-Mar	0.0	0.0	0.0	
05-Mar	0.0	0.0	0.0	
06-Mar	21.3	40.0	14.2	48.0
07-Mar	29.66	70.0	34.6	
08-Mar	0.0	0.0	0.0	
09-Mar	0.0	0.0	0.0	
10-Mar	0.0	0.0	0.0	
11-Mar	0.0	0.0	0.0	0.0
12-Mar	0.0	0.0	0.0	
13-Mar	0.0	0.0	0.0	
14-Mar	0.0	0.0	0.0	
15-Mar	0.0	0.0	0.0	
16-Mar	0.0	0.0	0.0	33.0
17-Mar	0.0	0.0	0.0	
18-Mar	0.0	0.0	0.0	
19-Mar	40.08	50.0	33.4	
20-Mar	0.0	0.0	0.0	
21-Mar	0.0	0.0	0.0	33.0
22-Mar	0.0	0.0	0.0	
23-Mar	0.0	0.0	0.0	



A road bicycle is parked on a sandy beach. The background shows the ocean with waves and a clear blue sky. A white form is overlaid on the image.

Date	Time in Minutes	Distance	
06/06/2020	0.0	0.0	Submit

[Return to Entry Form](#)

2020		
	January	0.0
	February	0.0
	March	82.0
	April	61.0
	May	109.0
	June	0.0
	July	0.0
	August	0.0
	September	0.0
	October	0.0
	November	0.0
	December	0.0

Upload Picture:

No file chosen

Gallery



Church.jpg



Train.jpg



Fall.jpg



Delete



What I Learned

- How to use date/time classes to auto populate tables
- How to upload and display photos while saving to database
- How to use JDBC to query DB tables in Java controller
- How to pull data from one DB table and manipulate it and add to another DB table



What's Next

- Make it so only one month shows at a time when chosen in a dropdown box
- Insert graphs using JavaFX using guidance from PluralSight

