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Product Delivery

Features we delivered:

- Our API is fully accessible at these end points:

Get Requests:

/records
/records/{date}
/summary
/places
/segmentTypes
/activitySummary
/activitySummary/{date}
/activitySegmentTypes
/activityPlaces

Post Requests:

/records
/summary
/places
/segmentTypes
/activitySummary
/activitySegmentTypes
/activityPlaces

Put Requests:

/records/{date}

- Our web pages can be accessed through the localhost:8080 server, we have a homepage that can be used to navigate to other pages. These are all the webpages we made:

Webpages:

/ (homepage)
/records
/activitySummary
/createRecord
/createSummary
/create Activity Summary
/deleteRecord

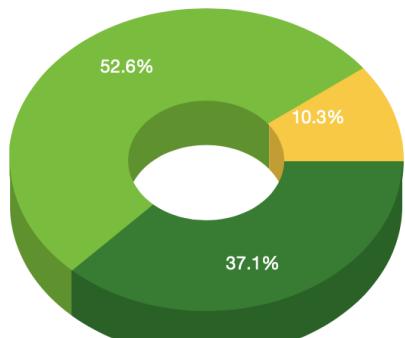
- We have finished postman testing
- Resolved formatting issue with the webpages and added a navigation page.

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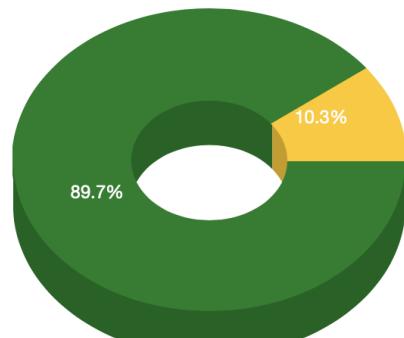
Code Metrics:

Distribution of Quality Attributes

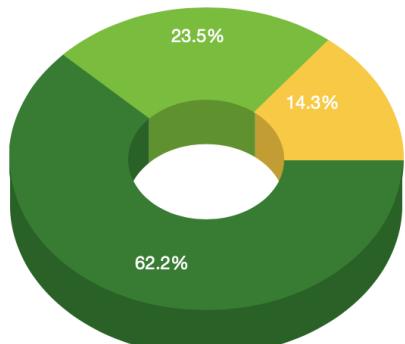
Complexity, Coupling, Cohesion, and Size



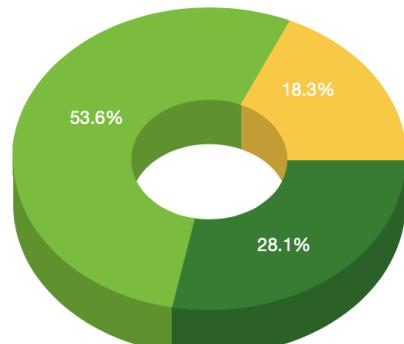
Complexity



Coupling



Lack of Cohesion



Size

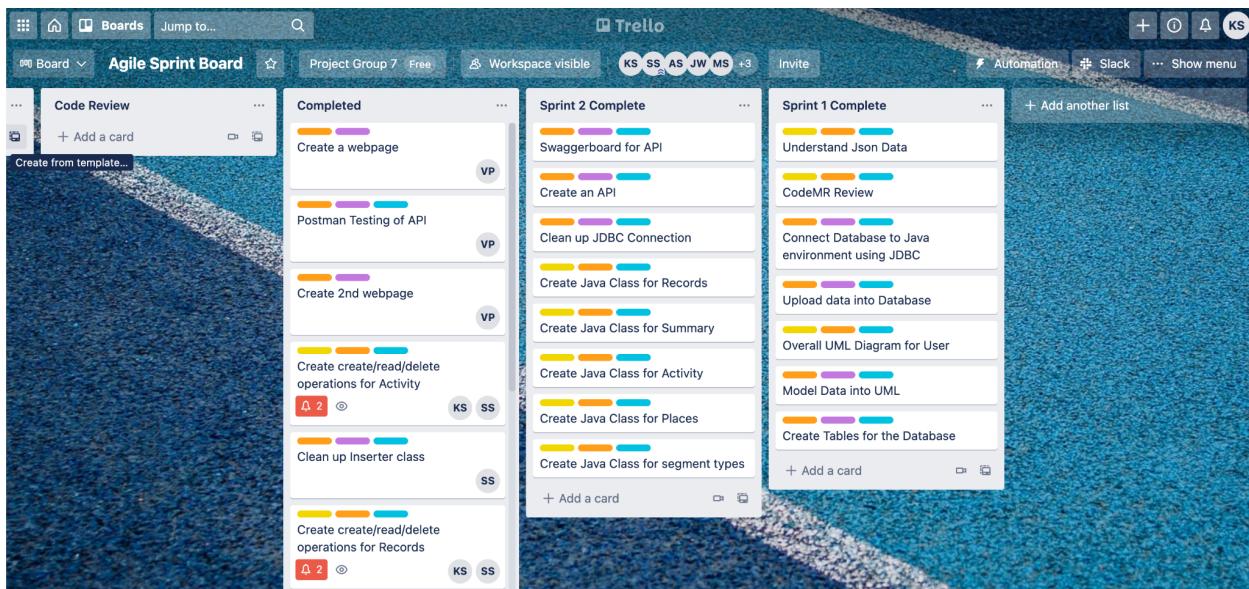
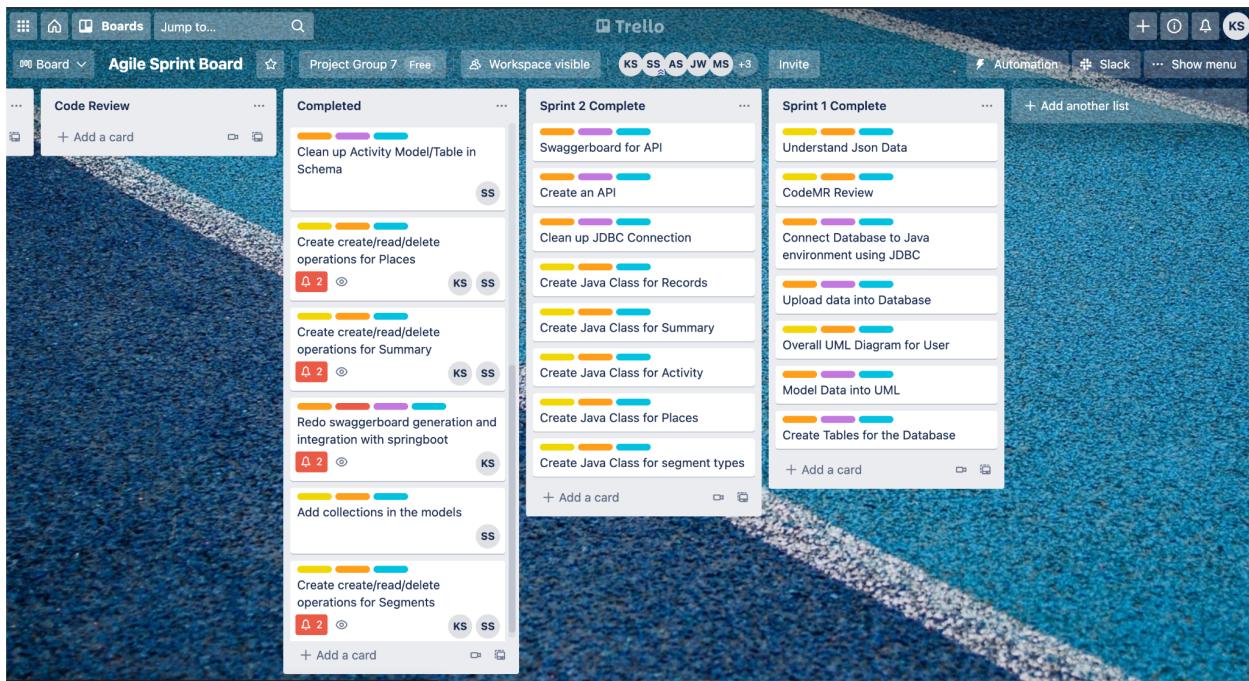
Testing:

- We have used postman to test our API end to end.
- In addition, we did manual testing for all the webpages to verify that we were able to get the desired output.

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Feature Delivery

In the screenshots below please look at the column called **Completed** to see the user stories we promised to deliver for this final sprint.

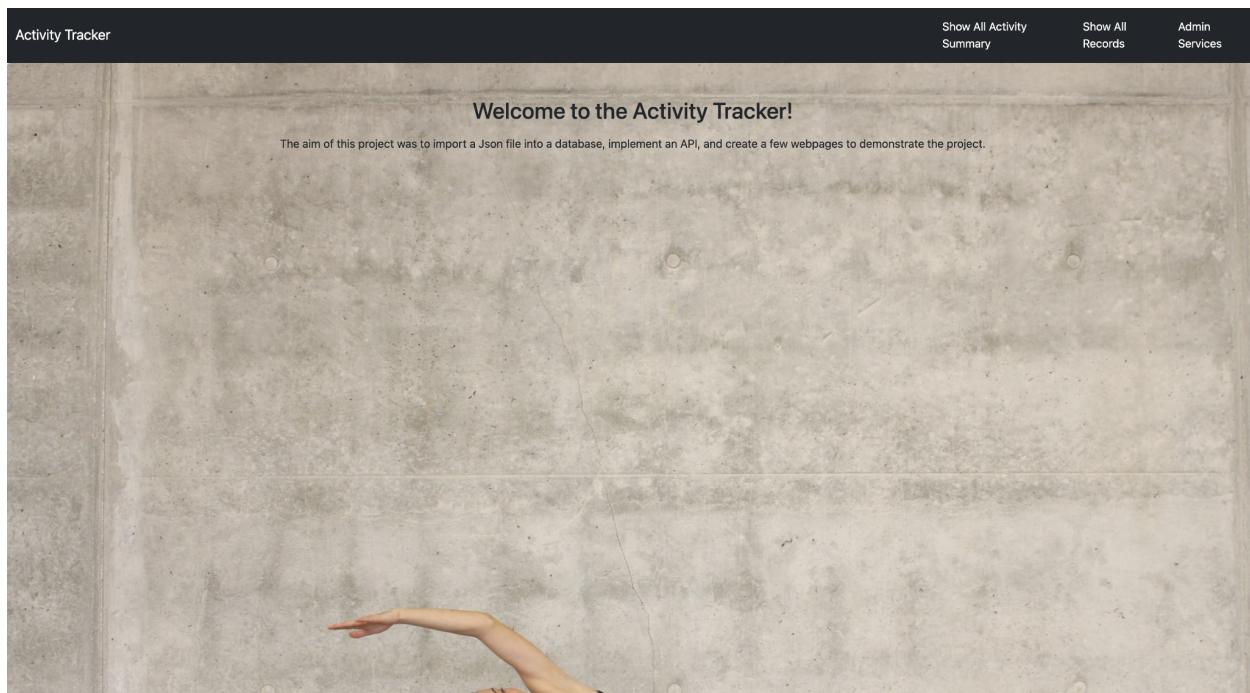


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During this sprint, we successfully completed the user stories that we promised on the Trello board. This time around we also assigned each team member to a specific story as opposed to the last sprint. I will not repeat the user stories that we completed because this can obviously be seen from the screenshots above. However, some notable accomplishments include revising our database schema and restructuring parts of our database. Using Postman for testing and creating web pages using web controllers and Bootstrap. Our web pages successfully demonstrated that we were able to create, read and delete activity summaries and records from our database. In total, we created 4 main new web pages (navigation page, show all activity summary, show all records and admin service page) as well as additional pages to support those main pages. More information about those web pages can be seen below.

Webpages:

Navigation Page - You can navigate using our home page to other webpages we have created.



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Activity Summary Page - This page represents an individual's activity summary by date. Furthermore it represents our ability to retrieve data from our database using GET requests.

Showing All Activity Summary						
Show 10 entries						
Date	Activity	Duration (seconds)	Distance (meters)	Calories Burnt (kcal)	Steps	
2013-02-10	transport	7004.0	76308.0	0.0	0	
2013-02-10	walking	1670.0	1174.0	59.0	2177	
2013-02-11	walking	3562.0	4057.0	203.0	5768	
2013-02-11	transport	2887.0	20194.0	0.0	0	
2013-02-12	walking	5116.0	6744.0	337.0	9162	
2013-02-12	transport	2849.0	22947.0	0.0	0	
2013-02-12	running	180.0	437.0	27.0	409	
2013-02-13	walking	3896.0	4021.0	201.0	5599	
2013-02-13	transport	4803.0	21955.0	0.0	0	
2013-02-14	walking	4116.0	4728.0	236.0	6606	

Showing 1 to 10 of 3,681 entries

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Records Page - This page shows all the dates, the calorieldle and the Last Updated date for that record. Furthermore it represents our ability to retrieve data from our database using GET requests.

Showing All Records		
Show 10 entries		
Date	Calorieldle	Last Updated
2013-02-10	1439	2014-08-01
2013-02-11	1439	2014-08-01
2013-02-12	1439	2014-08-01
2013-02-13	1439	2014-08-01
2013-02-14	1439	2014-08-01
2013-02-15	1439	2014-08-01
2013-02-16	1439	2014-08-01
2013-02-17	1439	2014-08-01
2013-02-18	1439	2014-08-01
2013-02-19	1439	2014-08-01

Showing 1 to 10 of 1,645 entries

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Admin Services Page - This page is similar to a navigation page where the user can choose multiple options: create record, delete record, create summary and create activity summary.

The screenshot shows a dark-themed navigation bar with the following items:

- Activity Tracker
- Show All Activity Summary
- Show All Records
- Admin Services

Below the navigation bar, the title "Admin Services" is displayed, followed by a list of links:

- Create Record
- Delete Record
- Create Summary
- Create ActivitySummary

Create Record Page - This sends a post request and adds the record to our database.

The screenshot shows a form titled "Create a Record" with the sub-instruction "Creates a record in the database". The form contains three input fields:

- Date: A date input field with the placeholder "mm/dd/yyyy" and a clear icon.
- Calorie Idle: A text input field with the placeholder "Enter calorie idle...".
- Last Update: A date input field with the placeholder "mm/dd/yyyy" and a clear icon.

On the right side of the form is a green "Submit" button.

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Create Record Result - This is returned when a valid post request is done.

Record Created! Details below.

Date: 2021-08-20

Calorie Idle: 1000

Last Updated: 2021-08-20

[Submit another message](#)

Delete Record Page - This webpage is used to delete an existing record in our database.

Delete a Record

Deletes a record in the database

Date	<input type="text" value="08/20/2021"/> <input type="button" value=""/>	<input type="button" value="Submit"/>
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Delete Result Page - This webpage is return when a valid delete request is provided.
The hyperlink can be used to delete more Records.

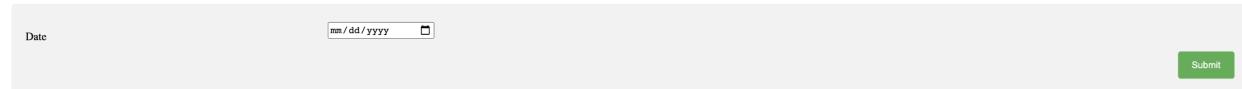
Record Deleted!

[Submit another request](#)

Create Summary Page - This webpage is used to create a summary in our database.

Create a Summary

Creates a Summary in the database



Date

Submit

Summary Creation page - This page illustrates that a summary has been successfully inserted into the database and the input that was inserted is reflected on the page.

Summary Created! Details below.
Date: 2014-08-06
[Submit another request](#)

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Create Activity Summary Page - This page allows a user to create an activity summary. User must input summaryId, activity, duration, distance, calories and steps. Afterwards, the input from the user will be inserted into the database.

Create an ActivitySummary

Creates an ActivitySummary in the database

The form consists of six input fields: SummaryId, Activity, Duration, Distance, Calories, and Steps. The Activity field contains the placeholder text "Enter activity". A green "Submit" button is located at the bottom right of the form area.

Activity Summary Creation Page - This page shows that a summary activity has been successfully inserted into our database. The results of the insertion are also reflected on this page.

Summary Created! Details below.

SummaryId: 4
Activity: walking
Duration 1000.0
Distance 1000.0
Calories 1000.0
Steps 1000
[Submit another request](#)