<div align="center">

Documentation
Sprint 4

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The base accomplishment of this sprint was to get all of the things ready and presentable for open house. This sprint we had the following tasks to accomplish:

- Getting main pages done (Dashboard, Steps, Calories, Miles, Goals)
- All links working with appropriate routes
- Adjustments to more user-friendly interface
- Poster and presentation for Open house

Scrums

As for the previous sprints, we have met after class on Tuesdays and Thursdays and in Hale, usually after 4pm on Mondays and Wednesdays. During the weekend, we use texts and Skype to talk about the issues we find.

Accomplishments

There was much accomplished this sprint. We have got the linking of information from the fitbit api. So, we were able to get users steps, calories and miles from the api to fill our database.

We realized the list-view in the dashboard and made the links work, which link the user to the history pages of their activities.

Also we have finished the final touches on our step page. Which lead to ease when creating and making our calories and miles pages. The pages are also complete except for some adjustments that will take place in the next sprint.

The goals page is as well complete it links to the database and updates the users goals when user wants to change them.

We have accomplished getting the application with data presentable for Open House and along with a poster for the display. We gave a fluent presentation for the Open House judgement and introduced our app to the public in the Open House display. The feedback we got from the judges and the visitors is as follow:

- When doing presentation, it's better to show the actual fitbit rather than picture.
- Our app can be easily migrated to other fitness devices using different API, which is a strong point.
- When showing the history of activities, we should present only the data for the current user instead of showing all the information from database.

Struggles

One of the main struggles is realizing the list-view in the dashboard. According to our design in the prototype, the list-view should has icons for each list item and the list item need to be clickable. Also, since it is an mobile app, the list-view should be able to adapt to mobile screens. We did a lot of research on mobile web app list-view in HTML and CSS. However, we found that the view is not user-friendly and it is hard to realize the custom view for mobile by ourself. Then we decided to use jQuery Mobile framework, which is designed to make responsive web sites and apps that are accessible on all smartphone, tablet and desktop devices. With that we were able to create a mobile custom list-view.

The other struggle is to make the links work with appropriate routes. After using the jQuery library, the links for each list item could not work and an "page loading error" occurs when the links are clicked. We tried many different ways of writing the links and checked the routes to make sure the links are correct but they still don't work. Finally we found that it might be because the turbolink gem so we removed the gem to make the links work.

Burndown Chart
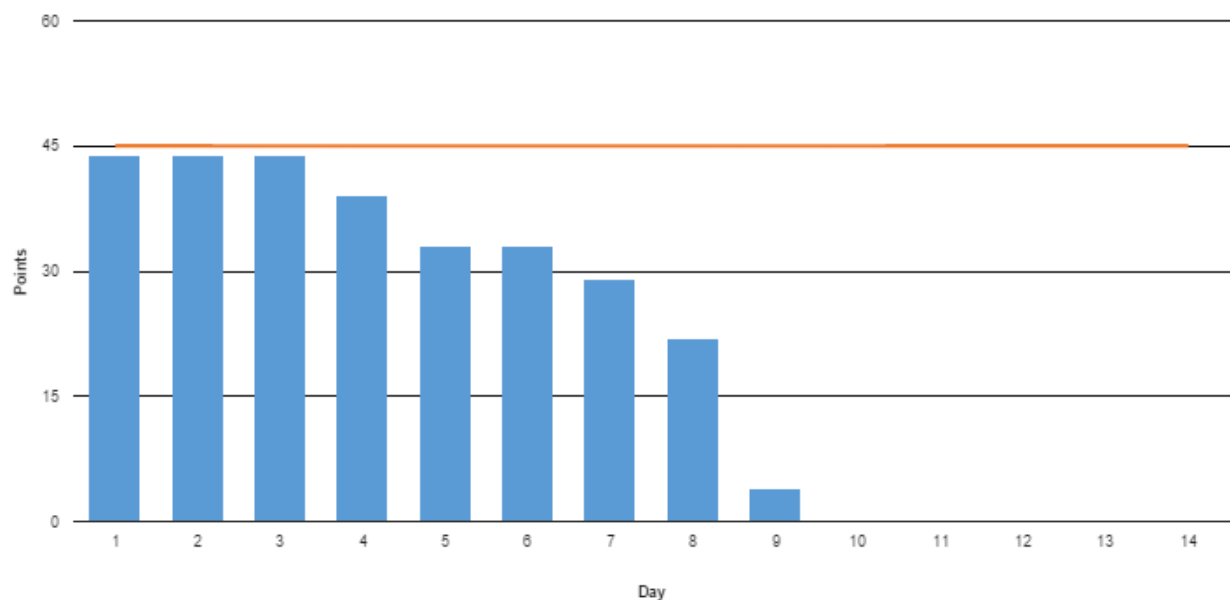
Points in this sprint:	45				
Start of this sprint:	3/29/2015			Burndown Chart 03/29/15	
Points accomplished:	45				

Day	Marie Pts	Marina Pts	Fei Pts	Days	Points Left	Points Total
1 - 03/30/15	1			1	44	45
2 - 03/31/15				2	44	45
3 - 04/01/15				3	44	45
4 - 04/02/15	3	1	1	4	39	45
5 - 04/03/15		2	4	5	33	45
6 - 04/04/15				6	33	45
7 - 04/05/15	2		2	7	29	45
8 - 04/06/15	3	4		8	22	45
9 - 04/07/15	6	6	6	9	4	45
10 - 04/08/15	1	2	1	10	0	45
11 - 04/09/15				11	0	45
12 - 04/10/15				12	0	45
13 - 04/11/15				13	0	45
14 - 04/12/15				14	0	45

Velocity Chart

Velocity Chart
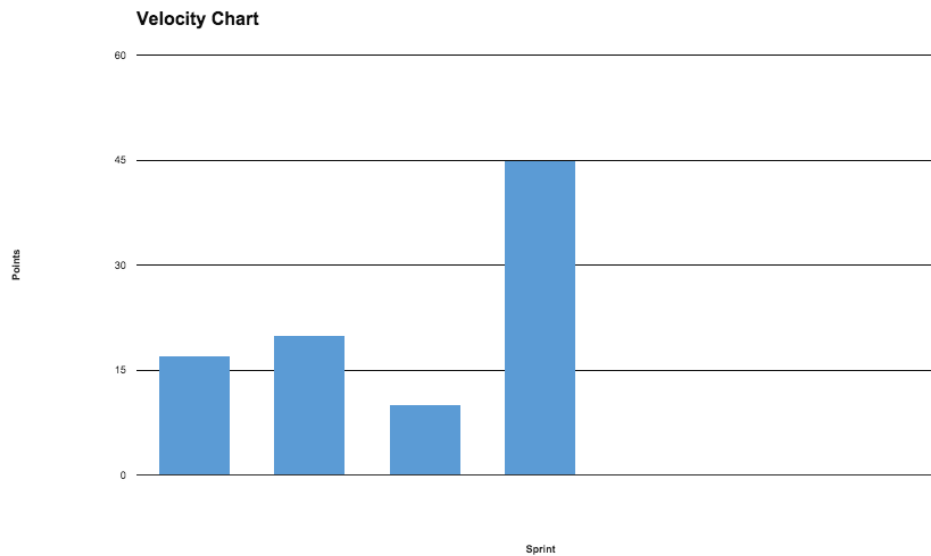
Sprint Number	Sprint Start	Points
1	2/9/2015	17
2	2/23/2015	20
3	3/9/2015	10
4	3/30/2015	45
5	4/13/2015	0
6	4/20/2015	0
7	5/4/2015	0