Sprint 2 Log Report
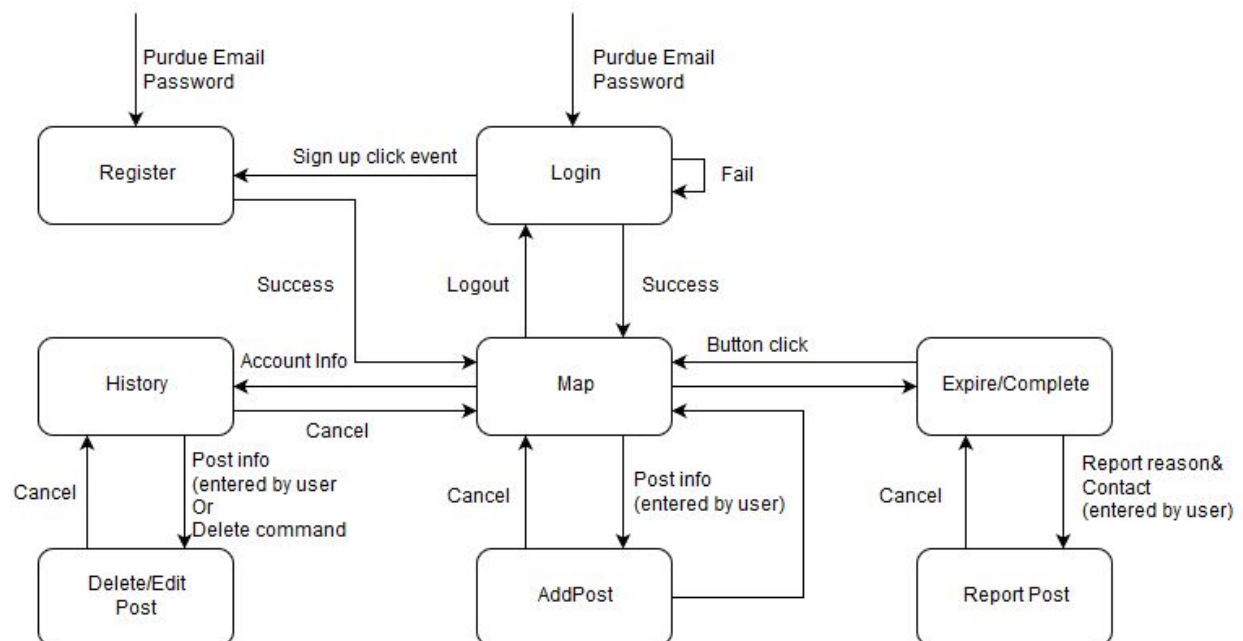
CS408

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Component Diagram:

The Project is now running at https://lofo-purdue.herokuapp.com.

1 Design Inspection Defects

Product	LOFO System Design Inspection
Date	02/28/17
Author	Development team

Moderator	Li Heng		
Inspectors	Ketao Chang, Yiyan ZHou, Yibin Wu		
Recorder	Weichu Hu		
Defect #	Description	Severity	How Corrected
1	When click on a marker, time shown on detailed panel is bad format.	3	The data type of created time in database is different from one in TypeScript. Convert it when passing to the frontend.
2	When users go to the history page, their post records are in a random order.	3	Add a sort function in the backend. When record data is retrieved, they will be displayed in a descending order.
3	The whole system will bug-out when any filter changes after clicking on any marker.	1	Assign all properties to markers when convert posts to markers. Because some latest components take more properties than filter provided.
4	When filter changes, the markers on the map will not change.	1	Two ngOnInit() functions in both map component and cluster component draw the markers twice. Removing one of these two does the job.

2 Code Inspection Defects

Product	Filter Module Inspection		
Date	02/28/17		
Author	Yiyan Zhou		
Moderator	Ketao Chang		
Inspectors	Yibin Wu, Heng Li		
Recorder	Weichu Hu		
Defect #	Description	Severity	How Corrected
1	After switch filter from "lost" to "All",	3	When passing a undefined

	the map actually only show "lost" posts rather than all posts.		as a parameter by Url, it should be accepted as an "undefined" string rather than undefined.

Product	Map Module Inspection
Date	02/28/17
Author	Ketao Chang
Moderator	Yiyan Zhou
Inspectors	Yibin Wu, Heng Li
Recorder	Weichu Hu

Defect #	Description	Severity	How Corrected
1	When a new post is created, it should immediately appear on the map, but it only appears after reload.	2	Try to implement the two-way binding between components.
2	When when a new post is created, click on it, details should appear in the detailed panel, but not until reload.	2	Emit an event from the marker, update data of detailed panel when this event is firing
3	There should always be on infoWindow on the map, which is the one with the marker clicked. But the unneeded infoWindows have to be closed manually.	2	Every time a new infoWindow is about to be opened, close all infoWindows existing on the map.
4	When a new post is created, a clusterer of 2 points appears on the map, but only the new marker should appear.	1	A new marker may be created twice when create a new post. Search for this error and remove it.

Product	History Module Inspection
Date	02/28/17
Author	Yibin Wu

Moderator	Li Heng		
Inspectors	Yiyan Zhou, Weichu Hu		
Recorder	Ketao Chang		
Defect #	Description	Severity	How Corrected
1	When open the history page, some button does not display the color that we assigned to it.	3	A external style template is imported so some button was affected. Thus we removed this template.
2	Once users are in the history page, they are not able to go back to the map unless they use the browser's "previous page" button.	2	Add a button to the page that enables users to go back to the map.
3	The "LOFO" logo takes up half of the page and users cannot see much records.	3	Shrink the logo.
4	The post create date is not displayed in a correct form. Thus it's not understandable.	2	Modified its display code, make it into an appropriate form.
5	If users have a extremely long title or description in their post, they will see the text go out of the modal when they open the post detail modal.	3	Fix the style, limiting the length of the text area.

Product	Backend Module Inspection		
Date	02/28/17		
Author	Heng Li		
Moderator	Yibin Wu		
Inspectors	Weichu Hu, Yiyan Zhou		
Recorder	Ketao Chang		
Defect #	Description	Severity	How Corrected

1	When sorting by date intervals, the return is either undefined, or within a wrong date intervals.	1	When passing date from front-end, convert date variables to Javascript format .

3 Unit Testing Defects

In root directory, after install the packages required, enter "npm test" in command line, the automated tests will be operated, there are total 18 test cases to check every functions used in LOFO. (This is in Dev branch by now.)

Product	Backend Module Unit test		
Date	02/28/17		
Author	Heng Li		
Defect #	Description	Severity	How Corrected
1	When sorting by date intervals, the format of modified time stored in Database is different from the Date format in Javascript	1	Before calling API, convert the date variables to ISO format so that the format in both frontend and backend have the same date type as the database.
2	When sorting by date intervals, it returns the posts modified between 0:00am of start date and 0:00am of end date, but it should return posts modified between 0:00am of start date and 11:59pm of end date	2	Before searching the database, add one day to the end date parameter so that the search range is end at 0:00am the day after end date, which is the same as the last millisecond of end date.

Product	Map Module Unit test		
Date	02/28/17		
Author	Ketao Chang		
Defect #	Description	Severity	How Corrected

1	When a new post is created, it should immediately appear on the map, but it only appears after reload.	2	Send data from clusterer component to map component, implementing two-way data binding between components.
2	When when a new post is created, click on it, details should appear in the detailed panel, but not until reload.	2	Bind "points" at clusterer component with "markers" at map component. Bind entries of detailed panel with properties at map component using ngModel
3	There should always be on infoWindow on the map, which is the one with the marker clicked. But the unneeded infoWindows have to be closed manually.	2	Close all current opening infoWindows on the map in the function opening the new infoWindow.
4	When a new post is created, a clusterer of 2 points appears on the map, but only the new marker should appear.	1	Accidentally call the function drawing markers twice. Removing one of these does the job.

Product	History Module Unit test		
Date	02/28/17		
Author	Yibin Wu		
Moderator	Li Heng		
Inspectors	Yiyan Zhou, Weichu Hu		
Recorder	Ketao Chang		
Defect #	Description	Severity	How Corrected
1	When open the history page, some button does not display the color that we assigned to it.	3	Deleted the link code in css file that import an external template.
2	Once users are in the history page, they are not able to go back to the map unless they use the browser's "previous page" button.	2	Add a "map" button and when user click it, it could automatically route the website and navigate it to the map.

3	The "LOFO" logo takes up half of the page and users cannot see much records.	3	Adjusted the logo size and make it 60% of previous size.
4	The post create date is not displayed in a correct form. Thus it's not understandable.	2	Change the display form to "short date(M/D/Y, Hours)".
5	If users have a extremely long title or description in their post, they will see the text go out of the modal when they open the post detail modal.	3	Add the word-wrap in css files. When input text reaches the max width of the div, change the line.