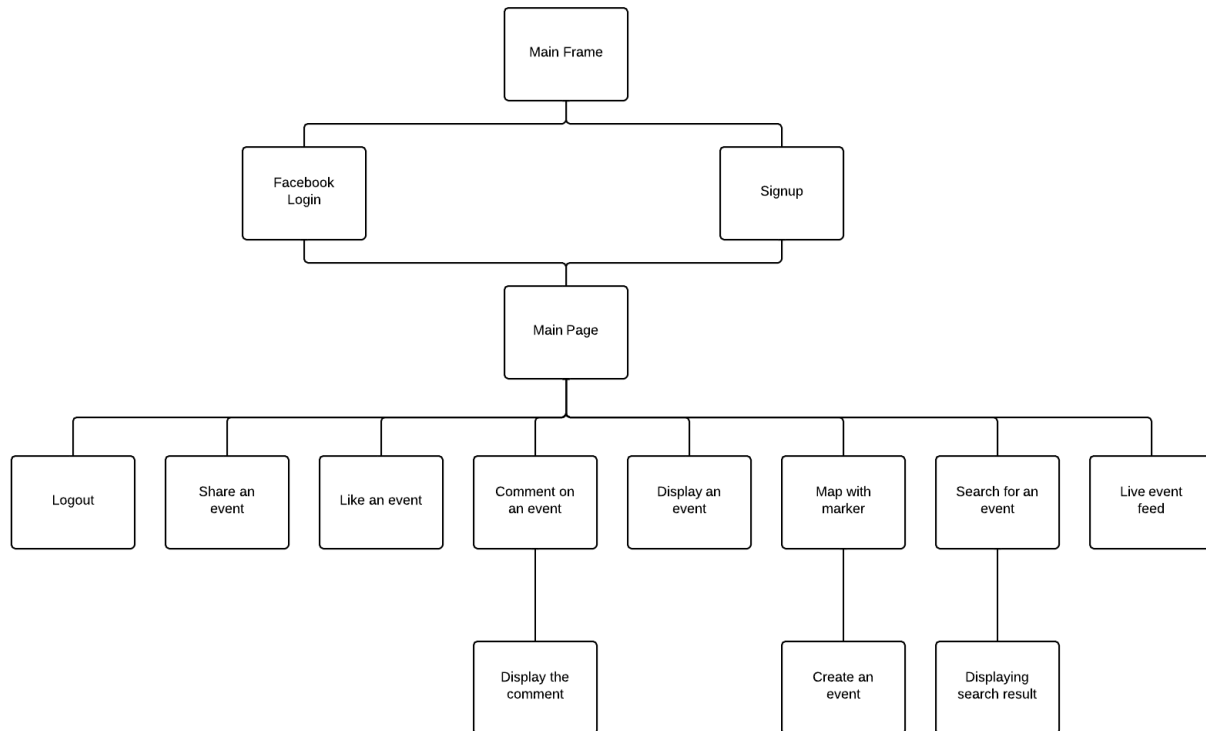


Sprint 2 Integration and Regression Testing

Classification of Components

- **Component Structure**



- **Details for each component**

- **Main Frame**

- Input: None
 - Output: None
 - Parent Dependency: None
 - Child Dependency: Facebook Login, Signup

- **Facebook Login**

- Input: Facebook username: Facebook password
 - Output: Credential validation(Success / Failure
 - Parent Dependency: Main Frame
 - Child Dependency: Main page for user

- **SignupWithFacebook**

- Input: First Name(auto filled by facebook api): Last Name(auto filled by facebook api): Username; Email(auto filled by facebook api); Type of user (normal user/ event organizer)
 - Output: Each field of input are validated and stored in the database

- Parent Dependency: Main Frame
 - Child Dependency: Main page for user
- **Main Page**
 - Input: Current Location of user (via browser)
 - Output: Events that are around the user; Google map with a marker to show the event's location;
 - Parent Dependency: Facebook Login; Signupfor FreeFoodEngine
 - Child Dependency: LogOut, Share an event; Like an event;Comment an event; Display event; Map with markers; Create an event(only for event organizer)
- **Logout**
 - Input: None
 - Output: Login
 - Parent Dependency: Main page
 - Child Dependency: None
- **Share an event**
 - Input: None
 - Output: Content of a specific free food event in shared on user's timeline
 - Parent Dependency: Main page
 - Child Dependency: None
- **Like an event**
 - Input: OnClick action on a like button
 - Output: Display a like on the event with the username
 - Parent Dependency: Main Page
 - Child Dependency: None
- **Comment on an event**
 - Input: Input into the comment box of a specific event
 - Output: Stores the comment into database; Display the comment
 - Parent Dependency: Main Page
 - Child Dependency: Display the comment
- **Display Event**
 - Input: None
 - Output: Information about various event's are displayed in a tile format
 - Parent Dependency: Main Page
 - Child Dependency: None
- **Map with markers**
 - Input: Data about an event from database
 - Output: A map with various marker's about an free food event

- Parent Dependency: Main Page
 - Child Dependency: Create an event
- **Create an event**
 - Input: Name of the event; Location of the event; Type of food provided; Date of the event; Upload a poster
 - Output: Validate each field (success/Failure); Stores data into the database;Places event into google map via a marker
 - Parent Dependency: Map with marker
 - Child Dependency: None
- **Display the comment**
 - Input: None
 - Output: Display the comment on a specific event in the main page
 - Parent Dependency: Comment on an event
 - Child Dependency: None
- **Search for an event**
 - Input: Query for an event
 - Output: Redirect page to display result page
 - Parent Dependency: Main Page
 - Child Dependency: None
- **Displaying search result**
 - Input:NoneM
 - Output: Display result of the search query
 - Parent Dependency: Search for an event
 - Child Dependency:None
- **Live event feed**
 - Input: None
 - Output: Display 10 latest event's that was added
 - Parent Dependency:Main Page
 - Child Dependency: None

Form of Integration testing

We are using the bottom up testing that beginning with the lower level objects and then

used to facilitate the testing of higher level objects or models since we have finished most of the lower level objects and their functionalities. The testing process is finished until components at the top of the hierarchy is tested. It is easier since we only need to write the drivers to call the lower level functions and make sure they are functional in the higher level models. By using bottom-up testing, we can avoid writing stubs to simulate the interfaces. It is easier to determine the levels of development.

Integration and Regression Testing

Module	Display the comment		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	When one event has more than 10 comments, the comments are not folded and it is hard for user to find the CommentOnAnEvent's input form at the end of comments.	1	Implement an ajax load/fetch method for showing more comments or put the comment box on the top of the comments.
2	When a user does not have an avatar, the format of the comment will be different from users who have avatars	2	Added a avatar image holder to placeholder the place of avatar.
3	The comment creation time is not updated on real time, only refreshing the page will update the creation time.	2	Use javascript code to refresh the creation time or ajax refresh the inner html.
Regression Testing			
Defect #	Description	Severity	How To Correct
1	Fixing implement of the load more comments feature will sometimes fetch the repeated comments and messed up the MainPage component.	1	Use pagination ajax call to split the comments into different sections.

Module	Comment on an Event		
Incremental Testing			
Defect #	Description	Severity	How To Correct

1	When comment on an event and the comment is still editable.	2	Make the input form unavailable for editing until the ajax call return successfully.
2	User could input an arbitrary length of comment, and the comment could correctly display at this moment. The tricky part is, even the comment is displayed, it is actually not saved to the database. Only part of the comment is saved and the left are disregarded.	1	And code the monitor how many characters typed and set a limit of maximum possible characters. Add a counter to remind user how many characters left. This can make sure all of the comment typed by user can be displayed and saved to database.
3	Comment on an deleted event will cause error and cause the Main page not to display the right info	1	Added code to handle the post request to deleted event.
Regression Testing			
Defect #	Description	Severity	How To Correct

Module	Map with markers		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	Events that ended is still displayed as a marker on the map if the web page is opened before the end time of the event.	3	Ajax refresh the data of markers to remove the expired events.
Regression Testing			
Defect #	Description	Severity	How To Correct

Module	Create Event		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	The event organizer could not modify	1	Added a “Modify” button to edit the

	an event created by itself. If important changes are made without updating the event information, it will cause hazardous problems.		event informations, which including location, description, time etc. This page is similar as creating event page.
2		2	
Regression Testing			
Defect #	Description	Severity	How To Correct
1	Other users could also click "Modify" button. Also though user could edit the event information, the update won't be saved to database. This won't bring problems, but this is not how it designed to be.	3	Add javascript to check whether current user is the organizer of this event. Hide the button if not.

Module	Display Event		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	Long description of an event is not supported. The length of the description is limited 535 characters.	1	Increased the maximum length of description to 4096 characters and use javascript to decide whether or not to send the post to server based on description length in the form.
Regression Testing			
Defect #	Description	Severity	How To Correct
1	Long description will occupy a huge space of the webpage. And mainPage will display incorrectly.	2	Collapse long descriptions. Provide a button to span the description and show all description.

Module	Search for an event		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	Events that have ended are displayed	1	Delete event's that have ended automatically
2	Events displayed are not in order.	2	Sort the event according to date and time before displaying

Regression Testing			
Defect #	Description	Severity	How To Correct
1	When fixed not showing ended events, events that are on going is also deleted and not displayed (Main Page component not correctly displayed).	2	Delete an event after 24 hour of the start time

Module	Live event feed		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	All the event are displayed in live feed. This causes data being displayed outside the designated frame.	1	Only 10 lastest events will be displayed
2	Event's are not displayed in chronological order	2	Placed the lastest event at the top, older event pushed downwards
Regression Testing			
Defect #	Description	Severity	How To Correct
1	When fixing the events that outside the frame by limit the number of events, the newly added event cannot match the marker on map (Main Page component not correctly displayed).	1	Update the map frame according to the latest events too.

Module	Share event		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	The event has already been finished and was never deleted from the database and they will still be displayed in the mainPage.	1	scan database every hour and delete what has been completed so user has no option to select a finished or closely finished event
Regression Testing			
Defect #	Description	Severity	How To Correct
1	Scanning will detect an event that is running late and may delete from database despite the fact that the	1	Allow event coordinator option to edit event after it has been created and extend time if he/she should

	event is still going on and still has food		see fit.
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Module	Main Page		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	Event live feed alters the alignment on other components in the Main Page	1	Rewrote css file to realign all the components to their best suited place.
2	User who decline to allow the browser to detect their location causes google map to send null value to javascript which makes google API to crash	2	Set google default address to Purdue Address. This will prevent from parsing any null/empty value to javascript.
3	The main page should not be blank or stop loading when user's location is not presented	1	Added last known location of the current logged in user and if user first time logged in, just center based on Purdue University's coordinates.
4	The Web page simply crash on low level devices.	3	Add check of the device browser version. Show a message to remind user instead of crash the website.
5	The main page is not responsive correctly to a smaller resolution device	3	Change the respond.js and modify the bootstrap settings.
Regression Testing			
Defect #	Description	Severity	How To Correct
1	Fixing the user location not presented, Google map always displays the default address even if users location is detected	2	Use a simple conditional statement in javascript. If user location is detected override the default address else do nothing

Module	Facebook login		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	The user's information is only stored first time logged in. And if user changes info in facebook later, the website will still use the old data.	1	Add SQL that everytime a facebook user logged in, update the user information in the userinfo table.

Regression Testing			
Defect #	Description	Severity	How To Correct
1	Fixing updating userinfo, user will not logged in if update sql fails and it will crush the mainframe for the next redirection process.	1	Add handler to handle when update fail and give up that update to allow user logged in.

Module	MainFrame		
Incremental Testing			
Defect #	Description	Severity	How To Correct
1	Mainframe fails to redirect user to facebook authentication page if the browser does not support JQuery.	1	Add javascript code to replace the part that JQuery handling button eventListener.
2	“Home” button make no sense here.	3	Remove home button.
Regression Testing			
Defect #	Description	Severity	How To Correct