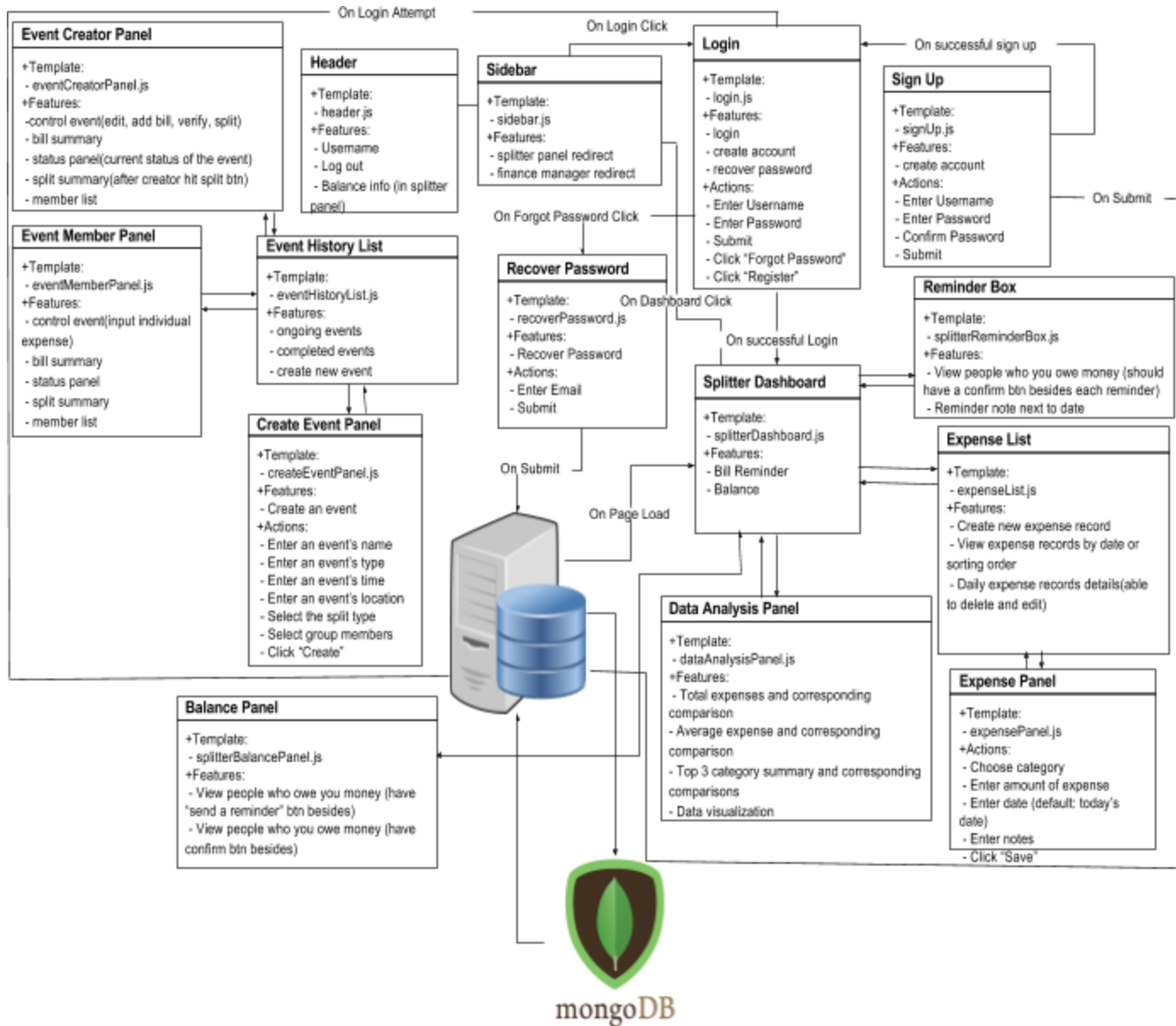


WeCheck Defect Log for Sprint 2

Design Diagram



Design Inspection Defects(severity: 1 == most critical)

Product	Wecheck Design Inspection		
Date	10/13/2017		
Author	Team 3		
Moderator	Xiaohua Shi		
Inspectors	Moon sun Hwang, Mengxue Luo, Yiyang Zhou		
Recorder	Dongji Cui		
Defect#	Description	Severity	How Corrected
1	No password hashing	1	Fixed: Hash the user password on server side and store the hashed password
2	Event data structure has an attribute that contain a list of object (members), rather than a single object. Violate 1NF(first normal form).	3	Fixed: Create a separate <i>person_event</i> schema. (combine with eventID as primary key)
3	Only event creator has access to input the total amount and change status of the event. Members should have no access to do so.	3	Fixed: Add an entitlement field (user identity) into <i>person_event</i> schema. Perform different action based on the user entitlement.
4	Only event creator can remove a member from an event. Member should have no access to do so.	3	Fixed: Add an entitlement field (owner or member) into <i>person_event</i> table.
5	The username length is too long	2	Fixed: Set the length from 4 to 20 on server side and also set the length limit on client side as user inputs his or her username
6	The server allows duplicate user names.	3	Fixed: Set the username field in <i>user</i> schema as unique.
7	Sign in module does not validate the username and password	1	Fixed: Add a match function on server side.

8	Static port number	3	Fixed: Change server to automatically assign port when port = 3000 is not available
9	Bill reminder has duplicate information provided in balance panel under splitter dashboard	3	Fixed: Remove bill reminder and only keep balance panel since bill reminder is already included in balance panel
10	We have a userList attributes in event_info schema. But some of the users who are invited by the event creator decline or ignore the invitation.	3	Fixed: Split the “userList” attribute into two attributes, “invitationList” and “memberList”
11	Database do not support to retrieve the list of how much money a user own others or others own the user for all events the user joined.	3	Fixed: Create a separate schema “event_expense” that contains eventID, userID, and individualAmount attribute
12	Database do not support to retrieve the list of events a user joined.	3	Fixed: Add a “eventJoined” attribute that store a list of eventIDs in user schema
13	We displace all users in the database and allow the event creator choose the member he/she wants to invite. However, there is not enough space in webpage to display all users.	3	Instead of select users, we let the event creator type the account (email) of the user he/she wants to invite

Code Inspection Defects(severity: 1 == most critical)

Product	Wecheck Design Inspection		
Date	10/13/2017		
Author	Team 3		
Moderator	Xiaohua Shi		
Inspectors	Moon sun Hwang, Mengxue Luo, Yiyang Zhou		
Recorder	Dongji Cui		
Defect#	Description	Severity	How Corrected

1	Importing component codes from the framework 'material-ui' gave an unexpected token syntax error, because "stage-1" babel was not installed	1	Installed "stage-1" babel via yarn, and added "stage-1" to the preset in the .babelrc file
2	Layout of panels are not aligned	3	Set the div position of the corresponding panel to 'absolute' instead of 'relative', and modified margin
3	Create event panel has hard-coded list of members for users to select the checkbox who was involved in the certain event	3	Modified to allow users to input anyone's email when adding a person, instead of checkbox
4	When a member's name is long, the part of the name was moved to the next line making it difficult to read.	3	Modified styles part to adjust the width, margin, and the paddings of the page
5	The width of the whole panel in event creator panel and event member panel varies by browser size	3	Wrapped the whole panel with a parent div tag to set a fixed size
6	Material-ui does not have a direct page-splitting-line component, when we need to have multiple panels within a single page	3	Used a component called "papers" and gave a depth to the paper to split a page with a noticeable line
7	get the error from local server stating that "Failed to load resource: the server responded with a status of 404(Not Found)"	2	Reinstalled the react packages by using "yarn install" and add additional configuration to package.json.
8	Signup page doesn't redirect when clicking on sign up button on the main page	2	fixed it by importing react-router-dom to index.js and add route function to the sign up component
9	the top bar's width doesn't take 100% on the screen	3	in css file, changing overflow:hidden
10	the left sidebar misaligned with the top bar	3	change position to absolute and initialized

			fixed length for the sidebar
11	Bootstrap didn't get installed properly into the packages and all the functions in Bootstrap didn't work	2	Try to fix Bootstrap by reinstall packages, but it still failed and I decided to switch to Material-UI
12	Signup page doesn't pop out on the main page, instead showing under the sidebar component.	2	Create on a popup() function for signup page.

Unit Testing *Josh go go*

Create Event Module Unit Testing Defect Log(severity: 1 == most critical)

Product	WeCheck
Date	10/13/2017
Author	Team 3
Moderator	Xiaohua Shi
Inspectors	Moon sun Hwang, Mengxue Luo, Yiyang Zhou
Recorder	Dongji Cui

Module Description

- Overall description of module: .Module that handles event creation request from user
- Tested function:
 - create_event()
 - Input: event name, event category, event creator
 - Output: event id
 - set_event_name()
 - Input: event name string, event id
 - Output: 1 if event is set successfully, 0 otherwise
 - set_event_category()
 - Input: event category string, event id
 - Output: 1 if event category is set successfully, 0 otherwise
 - set_event_creator()
 - Input: event id, user id

- Output: 1 if event creator is set successfully, 0 otherwise
- set_event_total_total_amount()
 - Input: event id, float of amount
 - Output: 1 if event amount is set successfully, 0 otherwise
 - delete_event()
 - Input: event id
 - Output: 1 if event is removed from the database, 0 otherwise
 - Untested function(code not yet implemented):
 - add_event_member()
 - Input: event id, user id
 - Output: 1 if user is added into event's member list, 0 otherwise

Defect#	Description	Severity	How Corrected
1	When setting the event name with set_event_name(), no validation check of the input string	2	Add a validation check in the function
2	When setting the event category with set_event_category(), if the category is customized by user, there is no validation check of the customized category input	2	Add a validation check on the length of the string in the function
3	After deleting an event with delete_event(), there will be event index remains in the database	2	call db.removeIndex() to remove the index.
4	When a nonexisted event id is provided as argument to delete_event(), the server will crash	1	Add a error handler to ensure the event id being passed in is valid
5	set_event_amount() accepts negative float	2	Add condition statement to make it only accept positive float number

Database Modules Unit Testing Defect Log(severity: 1 == most critical)

API Module

- Overall module description: provide interface for retrieving data from database
- Tested function:
 - get_all_user()
 - Input: none
 - Output: json object with all stored users in database
 - set_user_username()
 - Input: username string, userid
 - Output: 1 if username is set successfully, 0 otherwise
 - set_user_password()
 - Input: password string, userid
 - Output: 1 if password is set successfully, 0 otherwise
 - delete_user()
 - Input: userid
 - Output: 1 if user is removed from database, 0 otherwise
 - get_all_event()
 - Input: none
 - Output: json object with all events in database
 - get_event_creator()
 - Input: event id
 - Output: json object that contains the user id of the event creator
 - get_event_member()
 - Input: event id
 - Output: json object containing user ids of the event
 - get_event_detail()
 - Input: event id
 - Output: json object containing information of the event(name, category...)
- Untested function:(code not yet implemented)
 - get_all_event()
 - Input: none
 - Output: json object containing event ids for all existing event
 - log_out()
 - Input: userid
 - Output: 1 if user session ends, 0 otherwise

# defect	Description	Severity	How corrected
1	When POST to database, node gives warning message “DeprecationWarning: Mongoose: mpromise (mongoose's default promise library) is deprecated, plug in your own promise library instead”	3	Not yet fixed
2	After calling delete_user() on certain user id, user index remains in the database	2	Call db.removeIndex() to erase the index
3	set_user_name() does not check if input string is valid	1	Add a validity check inside the function
4	get_all_event() returns null json object instead of a list when called	1	Not yet fixed, still working the possible cause of this bug
5	When removing a user using delete_user(), if a nonexisted user id is provided as argument, the server will crash	1	Add error handler inside the function before doing the delete action