CS3249 Project Documentation

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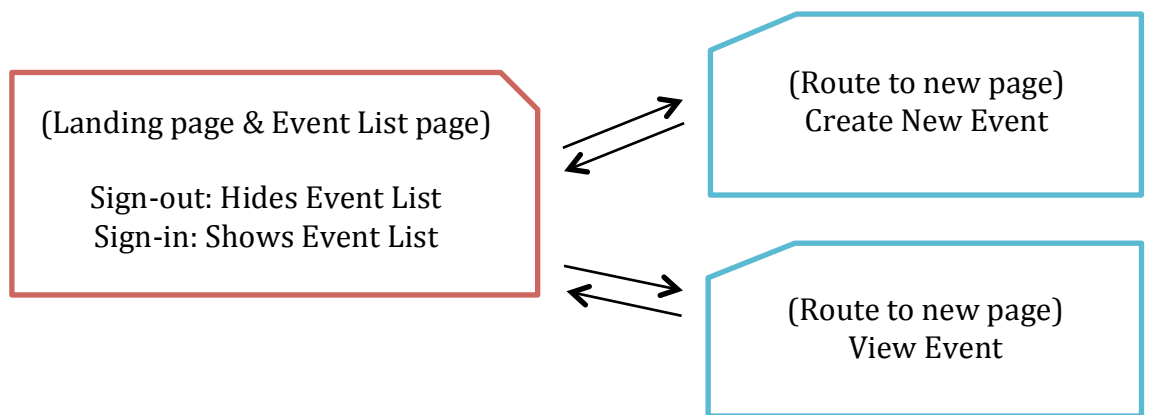## Purpose of Project:
Remake parts of IVLE Event with meteor + react.

Documentation Details:

System Planning

Our team has Landing page & Event List page in the same App.jsx.
But our create New Event & View Event pages are separated.
The web app should be fluid and works on both small and large screens.

(Landing page & Event List page)

Sign-out: Hides Event List
Sign-in: Shows Event List

(Route to new page)
Create New Event

(Route to new page)
View Event

Design

-Think in React- UI Hierarchy

EventTable
- createEventBtn
- searchBar
- totalDisplay
- eventList
  o titleRow
  o eventRow

Identified States
1. Sign-in/out
2. Original list
3. SearchBar input

	4. Filtered list 5. CreateEvent Page <u>Collection used</u> Task
Implementation	We did not have separate pages for "Landing page" and "Event List page". We use the same page. However, we use hide/show to give user the feeling that it is separate page. We hide "Event List page" when not sign-in. <table><tr><th>Before Sign-in</th><th>After Sign-in</th></tr></table> The reason is that it is simpler to implement and it eliminate the problem with security as users cannot directly link to a "Event List page". We used Blaze, meteor default UI engine to create the sign-up/in/out function. <table><tr><th>For Sign-in</th><th>For Creating new account</th></tr></table> For Changing password/ sign-out

Close

Change password

Sign out

For the main page, we have a few items on the title bar.

Title bar in main page

+ Create Event | Search | Search
| | Undo

Total 6 items

"+ Create Event" button will lead user to a new page to fill up a form and create new event. "Search bar" allows user to input the event title or organizer to filter the event list below. Clicking "Search" will submit the input while "Undo" button will show unfiltered event list again.
It also shows the total number of event currently in event list, with "Total – items".

We than implemented the "Create new event page", which is a separated page from the main page ("Landing page" + "Event List page"). However the user still needs to log-in to access the page. So it allows only our signed-up users to create new events.

When signed-in | When signed-out

Create New Event

Admin ▾

X Close

General

Event Title

Event Title

Create New Event

Sign in ▾

"Create New Event page" is a form with close button (direct users back to main page) and submit button (Submit inputs, we allow empty form)

When view is clicked, users will be directed to a new page with event details and upon clicking close button, user will be directed back to main page.

Testing

Folder Structure:

client(folder) →		main.css, main.html, main.jsx
server(folder) →		main.js
imports(folder) →	api (folder) →	tasks.js
	ui(folder) →	AccountsUIWrapper.jsx, App.jsx, Task.jsx, AddEvent.jsx, View.jsx
	startup(folder) →	Accounts-config.js, Router.js

node_modules(folder) contains all the react component we downloaded from online and are imported into our project.

Instructions for setting up project:

There are several react node we used. These nodes need to be installed for the web app to function properly when using meteor localhost.

For Windows Users
- React
- React-addons-creat-fragment
- React-addons-css-transition-group
- React-addons-linked-stat-mixin
- React-addons-perf
- React-addons-pure-render-mixin
- React-addons-test-utils
- React-addons-transition-group
- React-addons-update
- React-dom
- React-router

For Mac Users
- Meteor-nod-stubs
- React-addons-pure-render-mixin
- React
- React-dom
- React-router

Team contribution chart:

Name	Description
Hu Hsin Jo (A0113507R)	CSS styling, Creating main framework of how the web app looks like. Added Sign-up/in/out function. Use hide/show eventList to differentiate "landing page" and "event page" Added Event List for display.
Huang Li (A0112508R)	Added Route.js and allow new page for Create Event and View. Added AddEvent.jsx as form and pass information from field to Task.jsx. Unit testing and integrate testing using Mocha.