

# CS3249 – Project on React, Meteor and Unit Testing















## Introduction

This project is part of the Assignment 3 of Module CS3249 taken at the National University of Singapore. The aim of this project was to recreate the IVLE Events page using React.js for the frontend and integrate it with Meteor to create a functional web application.

I would like to start by apologizing upfront for not finishing the project. I have allocated my time very badly so I have not been able to complete this project. This is all I have been able to do for it.

## Design and Implementation

I have first broken the UI into smaller components.

<a href="#">+ Create Event</a>			<input type="text" value="Search"/>	 	Total 45 items
View	Event Title	Event Organizer	Event Date		
	PAID Psychology Study (\$5 for 30mins)	Marcus Ong, Dr Jia Lile	Sign up here: <a href="http://tinyurl.com/z423qI3">http://tinyurl.com/z423qI3</a>		
	Research Assistants (Locum) Positions	Duke-NUS Medical School - Cognitive Neuroscience Lab			
	Paid Psychology Study (\$5 for 30mins)	Department of Psychology, Leung Chi Ching and Dr Eddie Tong	Slots are now open for Week 12. More slots may be ...		
	Paid Psychology Study (\$5 for 30mins)	Department of Psychology, Yeo Pei Shi and Dr Jia Lile	If you are keen to join us, please drop your name,...		
	Volunteer Recruitment for Operation STAR 2016!	NVAC	25th June 2016, 10 AM - 3 PM		
	Come volunteer with Kaleidoscope Project Ignite!	NUS Student Union Volunteer Action Committee (NVAC)	4-6 June		
	Paid Psychology Study (\$5 for 30mins)	Department of Psychology, Yeo Pei Shi and Dr Jia Lile	If you are keen to join us, please drop your name,...		
	Paid Study (\$5 for 30mins)	Department of Psychology, Yeo Pei Shi and Dr Jia Lile	If you are keen to join us, please drop your name,...		
	Paid Visual Experiment	Dr. Po-Jang (Brown) Hsieh & Shao-Min (Sean) Hung	Please sign up here: <a href="http://www.signupgenius.com/g...">http://www.signupgenius.com/g...</a>		
	Paid fMRI Mental Work Experiment (\$35)	Neuroergonomics and Cognition Lab, Duke-NUS Medical School	Daily Afternoons (1/2pm)		
	Summer Overseas Adventure Trip to Taiwan	NUS Mountaineering Club	3 July 2016 - 8 July 2016 (6D5N)		

- The full page
  - Top part
    - Create
    - Search
    - Total
  - Table
    - Table header
      - Event title
      - Event Organizer
    - Table Body
      - Events

The search bar has is the element that is a State in the app. Its content is not sent as a prop, it changes over time as it is the input of the user and it can't be computed from other props or states.

With FlowRouter, I have implemented the flow of the application. It starts at the login (still not implemented), goes to the event list. From here it can either go to create a new event by pressing the Create New Button or it can popup the details of one event by pressing on the "eye" of any event (not implemented fully yet).

## Structure of the Project Folder

Inside the project, this are the main folders:

- ❖ Client
- ❖ Imports
  - Api
  - Ui
- ❖ Server

The main thing that I have done is make the imports folder in which I have the UI, the JSX files responsible for the rendering of the front end and the api in which I stored the MongoDB collection.

## Running this Project

To run this project, open the terminal, move into the projects directory and then enter the 'meteor run' command.

## Contributions

As I haven't had a teammate, I have done all the work for this project