

# Team Marshmallow (1775)

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This is our project log for CP2106 Orbital.

Our hours are categorised by the phases of our project: Preparation, Liftoff, Milestone 1 and Milestone 2.

The D column shows Dominique's hours and the S column shows Shawn's hours. As of our Milestone 2 submission, we have accumulated 110 and 119 hours respectively.

S/N	Task	Date	D	S	Remarks
Preparation					
1	Preparing for Ignition	12/5/19	4	4	<ul style="list-style-type: none"> <li>Deciding on project idea</li> <li>Research on mobile payment options</li> <li>Creating Ignition poster</li> </ul>
Preparation hours			4	4	
Liftoff					
2	Liftoff Day 1	13/5/19	9	9	<ul style="list-style-type: none"> <li>Past Project Review</li> <li>Overview of Mobile App Development</li> <li>Basic Android Development</li> </ul>
3	Liftoff Day 2	14/5/19	7	7	<ul style="list-style-type: none"> <li>Intermediate Android Development</li> <li>Database</li> <li>Git</li> <li>Ignition</li> </ul>
Liftoff hours			16	16	
Milestone 1: Ideation					
4	Meeting	16/5/19	10	10	<ul style="list-style-type: none"> <li>Brainstorming on app details</li> <li>Coming up with app definition statement</li> <li>Identifying technology and skills to pick up</li> <li>Planning timeline</li> </ul>
5	Design of infographic for project core features	18/5/19		1	<ul style="list-style-type: none"> <li>Explaining PayWhere's goal using an infographic</li> </ul>
6	Learning Python and Selenium for web scraping	20 /5/19	3	3	<ul style="list-style-type: none"> <li>YouTube videos</li> <li>Website tutorials</li> </ul>
7	Learning Python and Selenium for web scraping	21 /5/19		3	<ul style="list-style-type: none"> <li>YouTube videos</li> <li>Website tutorials</li> </ul>
8	Learning Python and Selenium for web scraping	22 /5/19		3	<ul style="list-style-type: none"> <li>YouTube videos</li> <li>Website tutorials</li> </ul>
9	Learning of Android Studio	23/5/19	3	3	<ul style="list-style-type: none"> <li>Learning of resources, manifest and java files used in Android Studio</li> <li>Android activity lifecycle</li> </ul>

					<ul style="list-style-type: none"> <li>Simple "Sum 2 Numbers App" (use of buttons, text fields)</li> </ul>
10	Learning of Android Studio	24/5/19	3	3	<ul style="list-style-type: none"> <li>Toast messages</li> <li>Check Boxes</li> <li>Rating Bar</li> <li>Alert Dialog Box</li> </ul>
11	Learning of Android Studio	25/5/19	3	3	<ul style="list-style-type: none"> <li>New Activity via Intent class</li> <li>Analog clock and digital clock</li> </ul>
12	Meeting	26/5/19	6	6	<ul style="list-style-type: none"> <li>README and Project Log</li> <li>Basic wireframing               <ul style="list-style-type: none"> <li>App icon</li> <li>Splash page</li> </ul> </li> </ul>
13	Meeting	28/5/19	3	1	<ul style="list-style-type: none"> <li>Completion of README and Project Log</li> <li>Completion of poster and video</li> </ul>
14	Wireframing	29/5/19	6	6	<ul style="list-style-type: none"> <li>Sketching of app flow on paper</li> <li>Light prototyping on Adobe XD</li> </ul>
15	Mission Control: UI/UX + Web Security	1/6/19	5	5	<ul style="list-style-type: none"> <li>Design Thinking Process</li> <li>User Journey Map</li> </ul>
Milestone 1 hours			42	47	
Milestone 2: Prototype					
16	Meeting	11/6/19	3	3	<ul style="list-style-type: none"> <li>Go through peer feedback</li> <li>Planning for Milestone 2 submission</li> </ul>
17	Implement Introduction Activities	13/6/19	2	5	<ul style="list-style-type: none"> <li>Implement splash screen on Android Studio</li> <li>Implement on-boarding screens on Android Studio</li> </ul>
18	Meeting	14/6/19	3	3	<ul style="list-style-type: none"> <li>Choosing malls to focus on from list of shopping malls</li> <li>Evaluating database options to contain mall data</li> </ul>
19	Webscraping	15/6/19	3	7	<ul style="list-style-type: none"> <li>Using Selenium to scrape dining outlets' names and unit numbers from mall websites in csv format</li> </ul>
20	Preparing .json file	16/6/19	4		<ul style="list-style-type: none"> <li>Using Java to convert mall data from csv to json format (to upload to Realtime Database)</li> <li>Cleaning up of data</li> <li>Previewing data on Firebase</li> </ul>
21	Updated mock-ups	18/6/19	3	1	<ul style="list-style-type: none"> <li>Updating mock-ups on Adobe XD for easier implementation on Android Studio (<i>change in size from 768 x 1024 to 1080 x 1920</i>)</li> </ul>
22	Creating Search Activity	19/6/19	3	4	<ul style="list-style-type: none"> <li>Implement a home page and search page</li> <li>Implement layout for bad searches (no results found)</li> </ul>
23	Learning of RecyclerView	20/6/19	2	2	<ul style="list-style-type: none"> <li>Learning to use RecyclerView to display mall data</li> <li>Learning to use Adapter to connect data to the</li> </ul>

					Layout
24	Learning Firebase Realtime Database	22/6/19	4	4	<ul style="list-style-type: none"> <li>Using Firebase-provided guides</li> <li>YouTube videos</li> <li>Topics: Querying data, Firebase RecyclerView Adapter</li> </ul>
25	Implementing Search Functionality	24/6/19	3	8	<ul style="list-style-type: none"> <li>Linking Firebase data to app</li> <li>Work on user experience: e.g enabling keyboard to show/hide automatically</li> <li>Getting results to be displayed after query</li> </ul>
26	Meeting	27/6/18	5	5	<ul style="list-style-type: none"> <li>Creating poster for Milestone 2</li> <li>Updating Project Log</li> <li>Creating README</li> </ul>
27	Video	29/6/18	2	2	<ul style="list-style-type: none"> <li>Planning video storyboard</li> <li>Filming app usage</li> <li>Recording voiceover</li> </ul>
28	Video editing	29/6/18	3		<ul style="list-style-type: none"> <li>Using iMovie to combine video cuts and voiceover</li> </ul>
29	App Refinements	30/6/18	3	3	<ul style="list-style-type: none"> <li>Adding loading screen that is displayed when fetching search results (only for valid queries)</li> <li>Autocorrect query to title casing</li> <li>Smoother animation</li> </ul>
30	Meeting	1/7/18	5	5	<ul style="list-style-type: none"> <li>Clean up of Android Studio code</li> <li>Proofreading README</li> <li>Converting README and its media to Markdown format</li> </ul>
Milestone 2 hours			48	52	
Total					
Project hours			110	119	