

## Section B:

### Recorded of Tasks:

Task Number	Date Started	Action	Comments on Outcome	Time Taken	Completion Date	Criterion
1	1/23/17	Find client and advisor	I chose my father to be both my client and advisor	20 min	1/23/17	A
2	1/23/17	Talk with client/ advisor and decide product details	Together we decided a good project would be a Citibike Companion app and outlined some success criteria	30 min	1/23/17	A
3	1/23/17	Write Section A of the write up.	After the meeting, I wrote Section A writing about what my client and I talked about.	1 hour	1/23/17	A
4	1/24/17	Write Section B of the write up.	I began Section B with the start of my journey on this IA and wrote and added to it as the process went on	2 hours	3/17/17	B
5	1/24/17	Learn how to Android Studio works with basic XML design.	Through an online course, I learned how to integrate XML designs into Java code and created a small practice app.	2 hours	1/29/17	A B
6	1/29/17	Learn about connecting to the Internet and parsing JSON data	Through the same online course, I learned how to create a URL and how to read and parse JSON data. I also created another small practice app that parsed static JSON data.	3 hours	2/5/17	A B
7	2/5/17	Learn about RecyclerViews for displaying data.	Through the same online course, I learned how to implement a RecyclerView View and an adapter	3 hours	2/12/17	A B

			which creates a smoother interface and improves overall performance.			
8	2/12/17	Learn about Intents in Android Studio	Through the same online course, I learned about how to implement both explicit and implicit intents in my app allowing for multiple activities within my application.	2 hours	2/26/17	A B
9	2/26/17	Create rough draft of app design	I used basic xml design to create a simple layout with text view and a scroll view.	30 min	2/28/17	B
10	3/1/17	Enable permissions for internet.	Using the Android Manifest, I enabled Internet permissions allowing the app to connect to a network.	15 min	3/1/17	C
11	3/1/17	Create AsyncTasks Class and override both the do in background and on post execute methods.	I successfully built the AsyncTasks in order for my app to do background tasks such as connecting to the internet and not crashing.	1 hour	3/5/17	C
12	3/5/17	Connect the app to the live data	Using two methods, I was able to take the URL in the form of a String, turn the URL String into an actual URL then created a connection between my app and the data source.	1 hour	3/8/17	C
13	3/8/17	Parse the live Json data and display the name of every bike	I created a class to parse the data looking for specific key words then stores the data into a raw data	2 hours	3/11/17	C

		station in New York in a list	array.			
14	3/11/17	Create a container class to store each detail for every bike station.	The container class parses the raw data array and stores them into another array according to their bike station and their category.	1 hour	3/11/17	C
15	3/11/17	Add Error Message	Error Message is displayed whenever the app cannot make a connection to the network.	20 min	3/11/17	B
16	3/11/17	Add Progress Bar	Progress bar is shown whenever the app first starts up letting the user know that the app is not frozen.	20 min	3/11/17	B
17	3/12/17	Set up Recycler View	Replaced the scroll view with a Recycler View in the xml file and created a Recycler View layout manager in my main class.	45 min	3/12/17	B C
18	3/12/17	Create a Bike Station Adapter class and inflate view holder	Class is a Recycler View adapter to the main class, and creates and inflates view holders into a list very similar to a scroll view.	2 hours	3/12/17	B C
19	3/12/17	Create On Click methods	On click methods allow me to open up the detail activity when the name of the station is tapped.	45 min	3/12/17	C
20	3/12/17	Create a Swipe Refresh Layout	When the screen is swiped down from the top of the list the app reparses the JSON data and updates the display if changes are made.	1 hour	3/12/17	B C

21	3/12/17	Create a detail activity	Made the detail activity a child of the main activity and contains one text view to hold the details of the bike station.	30 min	3/12/17	B C
22	3/12/17	Create an explicit intent to detail activity	I wired the View Holders using the on click methods to open up the detail activity through an explicit intent.	45 min	3/12/17	C
23	3/12/17	Create menu item in detail activity for going back to main activity	Menu item is in the upper left and when pressed allows the user to move back to the main list activity.	30 min	3/12/17	B
24	3/12/17	Create menu item in detail activity with a directions icon	Menu item is in the upper right and has a direction looking icon. Eventually will be wired.	30 min	3/12/17	B
25	3/13/17	Create implicit intent to Google Maps	I wired directions button to open up Google Maps when clicked through an implicit intent.	45 min	3/13/17	C
26	3/13/17	Add different color text to station names depending on type of error	The name of the station has different colors depending on the type of the error allowing for a more user friendly experience.	30 min	3/13/17	B
27	3/14/17	Write Section C of write up	I wrote about my classes and techniques and why I wrote them that way and explained logic.	2 hours	3/16/17	C
28	3/16/17	Do Section D of write up	Using screen recording software on my phone I was able to record and give a demo of my application.	1 hour	3/16/17	D

29	3/16/17	Do Section E of write up	I wrote and examined the success criteria and with that determined whether I met the criteria or not. I also talked about possible extension for my app.	1 hour	3/16/17	E
30	3/16/17	Do Appendix of write up	Created works cited for my IA and pasted photos of text conversations between my client/advisor and I	30 min	3/16/17	A B C D E
31	3/16/17	Do Cover Page of write up	Edited the html document, and works.	30 min	3/16/17	A B C D E