

TEAM STRUCTURE AND ROLES

ps. to run our code and build the project, you have to install lombok with intellij or Android Studio(Not sure if eclipse will work) This is because we used this plugin to automatically generate get and set methods for our TaskDB(RoomDatabase) Class.

Project Team Member:

U6792826: XUNING TAN: Project Team Lead / ScrumMaster

U6708515: XINYUE XU: Application Developer

U6579751: NIANEN ZHU: Application Developer

U6484911: ZHE CHEN: Application Developer

Our team chose the project of TODOLIST, which was completed in three stages. Eight days is a cycle. In the first stage, we first designed the layout of the whole APP. And then the division of labor. Zhe Chen finished the compilation of adding/deleting items; Nianen Zhu finished the writing of setting reminder function for the event; Xinyue Xu completed the editing of the event function; Xuning Tan finished the preparation of the calendar. The second stage enters the stage of perfect function; Xinyue Xu completed the editing, add the page preparation; Zhe Chen finished the preparation of pop Windows and added the function of selecting time to the page. Nianen Zhu completed the registration system to remind events and edit the preparation of functions; Xuning Tan completed the further completion of the calendar function preparation and start in the map function preparation. The third stage is optimization stage; Zhe Chen finished the compilation of the pop-up function of the sidebar; Nianen

Zhu completed the left and right TAB switch function preparation; Xinyue Xu completed the addition of pop-up animation and closed animation preparation; Xuning Tan finished the star after automatic forward, cancel the star to create the time sequence of preparation and the improvement of map function.

Design Summary

In the "TODOLIST" application, we include some main components in the design.

App Bars: A bottom app bar displays navigation and critical actions at the bottom of mobile screens, Includes Home page button, Task page button, "Add new list card button". It puts more focus on features, increases engagement, and visually anchors the UI.

Top-Calendar: There is a Calendar at the top bar. The date of the calendar is automatically updated every day as time changes.

List cards: Cards contain content and show necessary information of the reminder, and after clicking the cards, it can pop up a window, and able to edit details of the reminder.

Date and time picker: Date and time pickers let users select a date and time to remind.

Map: when select the location, it will show on the List cards.

Task classification: Classify the even according to daily life, which is simpler and clearer

Group Meeting Agenda 1

Location: [Warrumbul Lodge Level 3 Study Room]

Date: [21 September 2019]

Time: [20:00-23:00]

Agenda details:

- I. [Read the details of the assignment together.]
 - a. [Read the background and be familiar with this assignment.]
 - b. [Think about how the lectures relates to the assignment.]
- II. [Discuss and express views on the content respectively.]
 - a. [Discuss and choose which project to finish.]
 - b. [Integrate the ideas presented by each member and come up with a brief structure.]
- III. [Assign initial tasks.]

[According to each person's ability, assign tasks, and agree on completion time.]

IV. [Determine the allocation and schedule the next meeting.]

Group Meeting Agenda 2

Location: [Warrumbul Lodge Level 3 Study Room]

Date: [27 September 2019]

Time: [18:00-21:00]

Agenda details:

- V. [According to the last meeting, we divided the project into three period to develop. First, we discussed the first period tasks.]
- a. [Draw the prototype of the project with software.]
 - b. [Team members put forward modification suggestions on the prototype.]
- VI. [Then, each member claim their own task.]
- a. [Confirm the due date for the first period.]
- VII. [Determine the allocation and schedule the next meeting.]

Group Meeting Agenda 3

Location: [Warrumbul Lodge Level 1 Study Room]

Date: [06 October 2019]

Time: [18:00-21:00]

Agenda details:

VIII. [According to the last meeting, we discussed the first period tasks.]

- a. [Merge the first period tasks.]
- b. [Debug the current software.]

IX. [Then, each member claim their own task.]

- a. [Confirm the due date for the second period.]

X. [Determine the allocation and schedule the next meeting.]

Group Meeting Agenda 4

Location: [Warrumbul Lodge Level 1 Study Room]

Date: [12 October 2019]

Time: [18:00-21:00]

Agenda details:

XI. [According to the last meeting, we discussed the second period tasks.]

- a. [Merge the second period tasks.]
- b. [Debug the current software.]

XII. [Then, each member claim their own task.]

- a. [Confirm the due date for the third period.]

XIII. [Determine the allocation and schedule the next meeting.]

Group Meeting Agenda 5

Location: [Warrumbul Lodge Level 3 Study Room]

Date: [17 October 2019]

Time: [19:00-24:00]

Agenda details:

XIV. [According to the last meeting, we discussed the third period tasks.]

- a. [Merge the third period tasks.]
- b. [Debug the current software.]

XV. [Then, going back to the whole project.]

- a. [Solve existing problems and make final discussion.]
- b. [Run the app on both virtual devices and physical machines and verify the implementation of the function.]
- c. [Write JUnit testes.]
- d. [Write documents about the project.]
- e. [Check all the materials on the GitLab.]





























XVI. [Verify that all work is done.]

















































Git Commit History





























































The screenshot shows a web application interface for viewing Git commit history. The top navigation bar includes links for Projects, Groups, Activity, Milestones, and Snippets. A search bar is present on the right. The main content area displays a list of commits, grouped by date. The left sidebar shows a file tree structure with folders like 'S2', 'ry', 's', 's', 'rtors', 'e', 'ins', and 'sidebar'.























































Commit history details:

| Date | Commit Count | Commit Message | Author | Time Ago | Commit Hash |
|--------------|--------------|--|-------------|----------------|-------------|
| 18 Oct, 2019 | 3 | Counting days | Xinyue Xu | 55 minutes ago | 28048235 |
| | | Finished the task catalog page | Xuning TAN | 6 hours ago | 634133cb |
| | | Set the icon | Yanling Zhu | 20 hours ago | be0ccf7c |
| 17 Oct, 2019 | 4 | Change addtask background color | Xinyue Xu | 22 hours ago | 7c512481 |
| | | CreatMapSelectPage | Xinyue Xu | 1 day ago | f176a3b9 |
| | | Finished EventBus and addtask page | Xuning TAN | 1 day ago | dd5f86dd |
| | | Try saving new Data to a database(data persistence) | Xuning TAN | 1 day ago | 9d96cb3b |
| 16 Oct, 2019 | 1 | Make the tasklist scrollable | Xinyue Xu | 2 days ago | 94bdfdef |
| 15 Oct, 2019 | 5 | Try to implement AddTask Method.....Failed... | Xinyue Xu | 3 days ago | f4d184b0 |
| | | Revert "Revert "Add location support" to avoid changes in merge"... Stupid mistake | Xuning TAN | 3 days ago | 36386cd7 |
| | | Revert "Add location support" to avoid changes in merge | A1pine | 3 days ago | f3a006c8 |

| | | | |
|---|--|----------|-------------------------------------|
|  | merged NI and solved conflicts Xuning TAN authored 3 days ago | 72bc014d | 🔗 |
|  | Add location support Xuning TAN authored 3 days ago | 6ea44164 | 🔗 |
| 14 Oct, 2019 3 commits | | | |
|  | Fixed the onMapReady() Xuning TAN authored 4 days ago | e3a5e88c | 🔗 |
|  | Fixed bug: App crush when click the task second time, cause by: re-create the... ... Xuning TAN authored 4 days ago | ce3ba13e | 🔗 |
|  | Try using Dialog instead of PopupWindow and move notification function from... ... Xuning TAN authored 4 days ago | 0563d6a3 | 🔗 |
| 12 Oct, 2019 12 commits | | | |
|  | Update popupwindows.xml (Scott) Zhe Chen authored 5 days ago | 59178a26 | 🔗 |
|  | Update recyclerview Yanling Zhu authored 5 days ago | aeec7c9f | 🔗 |
|  | Upload New File Yanling Zhu authored 5 days ago | e287f980 | 🔗 |
|  | Upload New File Yanling Zhu authored 5 days ago | f753cbba | 🔗 |
|  | Upload New File Yanling Zhu authored 5 days ago | 84d8dce8 | 🔗 |
|  | Upload New File Yanling Zhu authored 5 days ago | 0721ca35 | 🔗 |
|  | Upload New File Yanling Zhu authored 5 days ago | 71888381 | 🔗 |
|  | Upload time icon Zhe Chen authored 6 days ago | 0aa0f3a3 | 🔗 |
|  | Upload date icon Zhe Chen authored 6 days ago | dccea2d1 | 🔗 |
|  | Upload assignment icon Zhe Chen authored 6 days ago | b54072ca | 🔗 📄 |
|  | Update popupwindows.xml Zhe Chen authored 6 days ago | 989513cd | 🔗 📄 |
|  | Finished Add task basic UI..., Google Map support, fixed the Topbar calendar..... ... Xuning TAN authored 6 days ago | 46e3659d | 🔗 📄 |
| 11 Oct, 2019 13 commits | | | |
|  | Upload New File Yanling Zhu authored 1 week ago | cf72af67 | 🔗 📄 |
|  | Update fragment_task.xml Yanling Zhu authored 1 week ago | 53693a3d | 🔗 📄 |
|  | Update cardview for taskpage Yanling Zhu authored 1 week ago | 4347df77 | 🔗 📄 |
|  | Update cardview for taskpage Yanling Zhu authored 1 week ago | a3fe0cba | 🔗 📄 |
|  | delete .App Yanling Zhu authored 1 week ago | d20eb0b9 | 🔗 📄 |
|  | Update notification on popupwindow Yanling Zhu authored 1 week ago | 0b3ba56a | 🔗 📄 |
|  | Upload New File Yanling Zhu authored 1 week ago | ea025645 | 🔗 📄 |
|  | Update fragment_task.xml Yanling Zhu authored 1 week ago | 937326dd | 🔗 📄 |
|  | Upload New File Yanling Zhu authored 1 week ago | d003cf9a | 🔗 📄 |
|  | Upload New File Yanling Zhu authored 1 week ago | 6dcc2257 | 🔗 📄 |
|  | Upload New File Yanling Zhu authored 1 week ago | e360b5cb | 🔗 📄 |

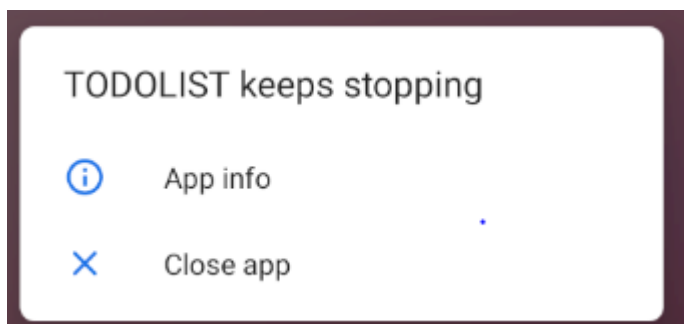
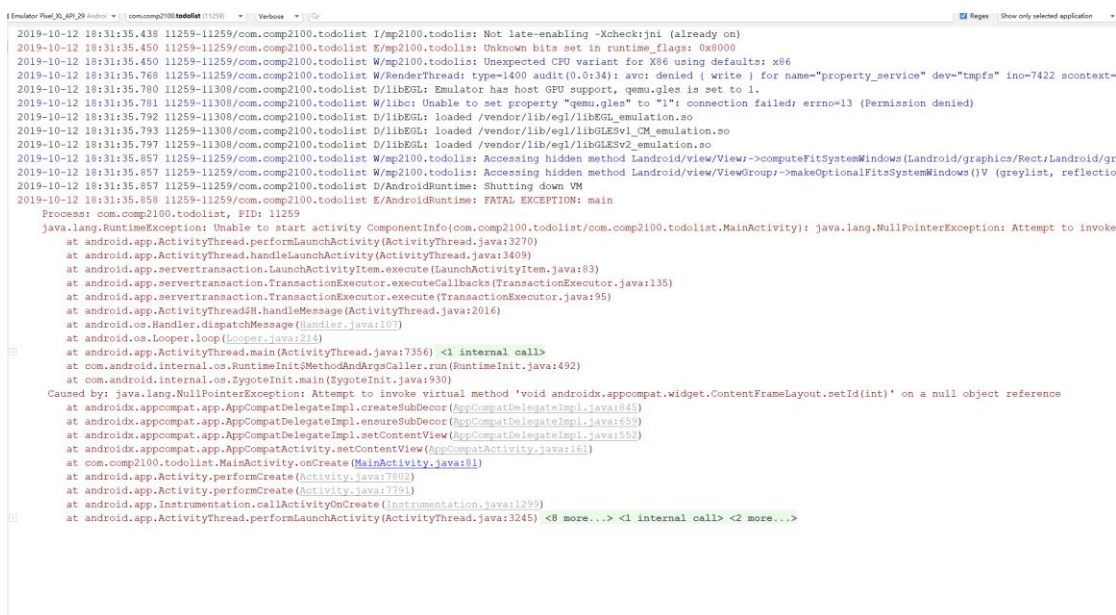
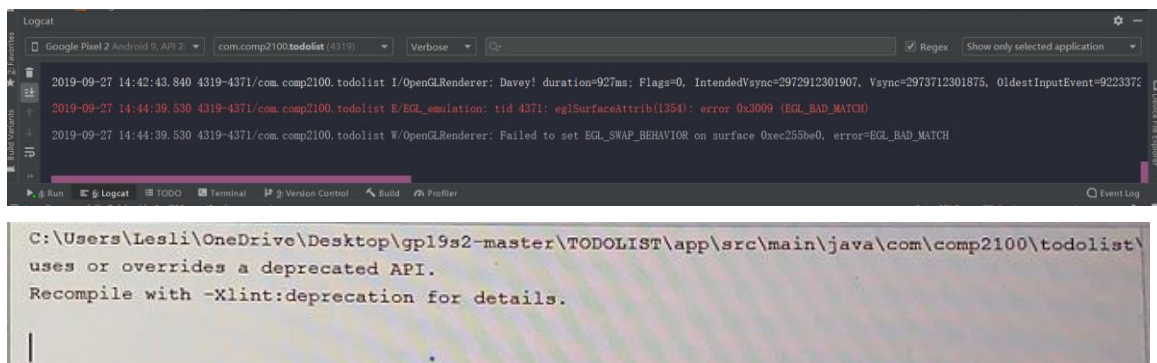
| | | | | |
|---|--|----------|---|---|
|  | Upload New File Yanling Zhu authored 1 week ago | 298d157b |  |  |
|  | Upload New File Yanling Zhu authored 1 week ago | f90b4bde |  |  |
|  | Upload New File Yanling Zhu authored 1 week ago | 59a6a344 |  |  |
| 06 Oct, 2019 1 commit | | | | |
|  | Upload lost.xml Yanling Zhu authored 1 week ago | efd42df0 |  |  |
| 05 Oct, 2019 5 commits | | | | |
|  | Update MainActivity.java Yanling Zhu authored 1 week ago | ede2955e |  |  |
|  | Update TimePickerFragment.java Yanling Zhu authored 1 week ago | 6a376c37 |  |  |
|  | Update NotificationHelper.java Yanling Zhu authored 1 week ago | 392dbcfa |  |  |
|  | Update App.java Yanling Zhu authored 1 week ago | 535f11ce |  |  |
|  | Update Alertreceive_JavaClass.java Yanling Zhu authored 1 week ago | c2522323 |  |  |
| 04 Oct, 2019 1 commit | | | | |
|  | Merge branch 'ZheChen(Scott)' ... Xuning TAN authored 2 weeks ago | cdd5f48e |  |  |
| 03 Oct, 2019 2 commits | | | | |
|  | Finished Cardview in a list(Homfragment) and star animation... Xuning TAN authored 2 weeks ago | 56abf9ad |  |  |
|  | Try to solve conflicts(Still needwork) @Todo!: change listcard to... ... Xuning TAN authored 2 weeks ago | 0855b4aa |  |  |
| 02 Oct, 2019 15 commits | | | | |
|  | Merge branch 'Nianen_Zhu' Xuning TAN authored 2 weeks ago | 155a5615 |  |  |
|  | fix the errors Xuning TAN authored 2 weeks ago | 72fa6f92 |  |  |
|  | first version of new reminder page activity Zhe Chen authored 2 weeks ago | 941096fe |  |  |
|  | Update MainActivity.java Zhe Chen authored 2 weeks ago | 30901b47 |  |  |

| | | | | |
|---|--|----------|---|---|
|  | Update AndroidManifest.xml Zhe Chen authored 2 weeks ago | e8993dd2 |  |  |
|  | shape for done button Zhe Chen authored 2 weeks ago | fdce5589 |  |  |
|  | shape for title box Zhe Chen authored 2 weeks ago | 8e2aa2bf |  |  |
|  | Upload New File Zhe Chen authored 2 weeks ago | fdcc29ed |  |  |
|  | Upload New File Zhe Chen authored 2 weeks ago | 3d558677 |  |  |
|  | Upload New File Zhe Chen authored 2 weeks ago | b8526e2c |  |  |
|  | Scott first layout edit Zhe Chen authored 2 weeks ago | 4b045a41 |  |  |
|  | Solved conflicts between master and Xinyue Xu Xuning TAN authored 2 weeks ago | 22f13218 |  |  |
|  | Add EditView&StarButton Yanling Zhu authored 2 weeks ago | 6da30bc9 |  |  |
|  | the line in the right side of the EditView Yanling Zhu authored 2 weeks ago | 6c76534a |  |  |
|  | add starbutton and EditView Yanling Zhu authored 2 weeks ago | 8643ac86 |  |  |
| 30 Sep, 2019 17 commits | | | | |
|  | Delete star&notification Yanling Zhu authored 2 weeks ago | da1fc057 |  |  |
|  | add startButton&TimePiker&Notification Yanling Zhu authored 2 weeks ago | 5d32e988 |  |  |
|  | starbutton style Yanling Zhu authored 2 weeks ago | c5740d55 |  |  |
|  | notification style Yanling Zhu authored 2 weeks ago | e89a5363 |  |  |
|  | create App java Class Yanling Zhu authored 2 weeks ago | 6493032a |  |  |
|  | create a notificationHelper java class Yanling Zhu authored 2 weeks ago | c339bb14 |  |  |
|  | create a TimePickerFragment java class Yanling Zhu authored 2 weeks ago | d7b154b5 |  |  |
|  | the line in the right side of the EditView Yanling Zhu authored 2 weeks ago | eb539aad |  |  |
|  | add one RelativeLayout for starbutton & textView & view Yanling Zhu authored 2 weeks ago | 32ad6d53 |  |  |

| | | | | |
|---|---|----------|---|---|
|  | create TimePickerFragment java class Yanling Zhu authored 2 weeks ago | 1b6a8dd2 |  |  |
|  | create a notificationHelper java class Yanling Zhu authored 2 weeks ago | a8afff13 |  |  |
|  | create App java Class Yanling Zhu authored 2 weeks ago | ea4ad461 |  |  |
|  | create Alertreceive Java class Yanling Zhu authored 2 weeks ago | 7a21567f |  |  |
|  | Update AndroidManifest.xml Yanling Zhu authored 2 weeks ago | 71388647 |  |  |
|  | Delete gp19s2-master.zip Yanling Zhu authored 2 weeks ago | 083d34c4 |  |  |
|  | Upload New File Yanling Zhu authored 2 weeks ago | 526f0f8c |  |  |
|  | Add starbutton and notification Yanling Zhu authored 2 weeks ago | 732ed5c2 |  |  |
|  | Upload New File Yanling Zhu authored 2 weeks ago | a7e5e752 |  |  |
| 28 Sep, 2019 3 commits | | | | |
|  | Add the action button at the middle of the bottom tab bar Xuning TAN authored 2 weeks ago | 3af6cec6 |  |  |
|  | Write the bottom bar in a different way(make it easier to modify) Xuning TAN authored 2 weeks ago | 052c66c4 |  |  |
|  | Make buttons rounded Xinyue Xu authored 2 weeks ago | b6ec2b65 |  |  |
| 27 Sep, 2019 1 commit | | | | |
|  | Make the tab bar great again!!! Xuning TAN authored 3 weeks ago | 0345cbea |  |  |
| 26 Sep, 2019 1 commit | | | | |
|  | Move home layout to the fragment Xuning TAN authored 3 weeks ago | dce95659 |  |  |
| 25 Sep, 2019 1 commit | | | | |
|  | Did some changes to popup window Xinyue Xu authored 3 weeks ago | 412aba27 |  |  |
| 24 Sep, 2019 1 commit | | | | |
|  | Almost finished main GUI Xuning TAN authored 3 weeks ago | 2f7be838 |  |  |
| 31 Aug, 2019 1 commit | | | | |
|  | finished major UI design Xuning TAN authored 1 month ago | c8e250f4 |  |  |
| 31 Jul, 2019 1 commit | | | | |
|  | Initial commit Dongwoo Kim authored 2 months ago | 026749d4 |  |  |

Testing Summary

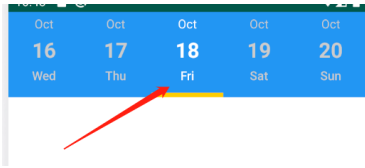
When our group was working on this project, we encountered many problems, such as the app could not run normally, the function could not be realized and even the version issues. So, we adopted Junit to test, update the task, Edit the task and delete the task then solve those problems, so that the program development could run normally.



App summary & Screenshots

In the app, we have some main function.

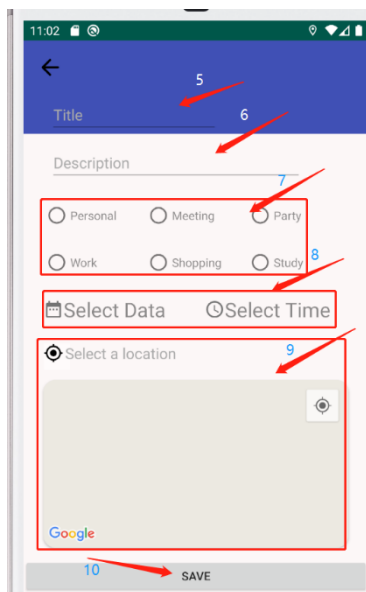
1. Calendar



There is a Calendar at the top bar. The date of the calendar is automatically updated every day as time changes. For example, if today is 18/10 Friday, then the date can be update to 18/10 Friday.

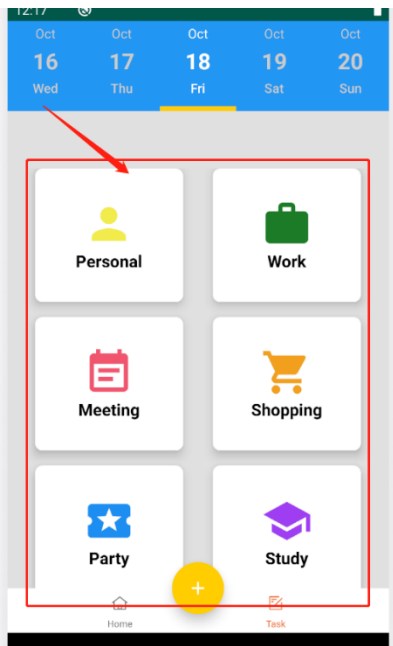


2. "Home Page button": after click the button, then can be come back to home page.
3. "Adding button": Click the button, then jump to "Add Task" page. Complete information, then show a new task card on the home page
4. "Task page button": Click the button then go to task page.

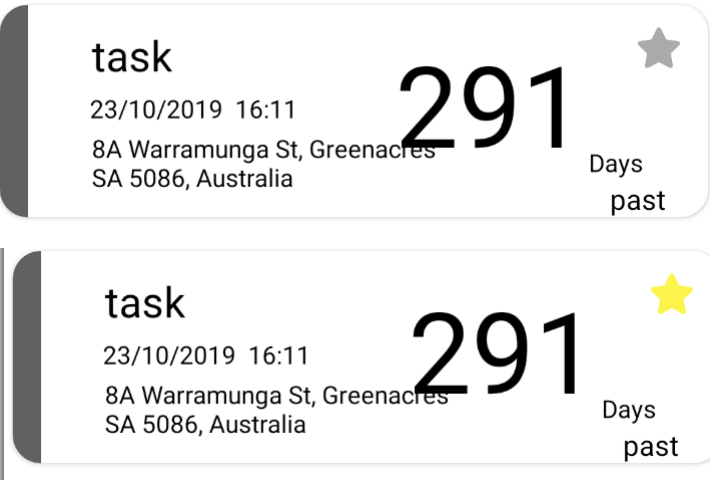


5. Edit text: Enter title of task.
6. Edit Text: Enter description of task.
7. Radio Button: Choose task classification.
8. Date and time picker: Able to choose date and time to time remind.
9. Map: Select place, when reach the specific place, then reminder can remind user to do the task.
10. "Save button": Click the button then save information, and show the task card on the home page.

“Task Page”: classification of different kind of task.



“Task Card”: Show basic information of task, and after Click the “star”, then it can be light.



Reference

1. Name: 'com.ashokvarma.android:bottom-navigation-bar:2.1.0'
Function: BottomNavigation
Source: <https://github.com/Ashok-Varma/BottomNavigation>
Author: Ashok Varma
2. Name: 'com.applandeo:material-calendar-view:1.7.0'
Function: Calendar-View
Source: <https://github.com/Apllandeo/Material-Calendar-View>
Author: Applandeo
3. Name: 'com.sackcentury:shinebutton:0.2.0'
Function: ShineButton
Source: <https://github.com/ChadCSong/ShineButton>
Author: Chad Song
4. Name: 'com.google.maps.android:android-maps-utils:0.5+'
Function: Android-maps-utils
Source: <https://github.com/googlemaps/android-maps-utils>
Author: Google Maps
5. Name: 'com.google.android.material:material:1.0.0'
Function: material-components-android
Source: <https://github.com/material-components/material-components-android/releases>
Author: Material Components
6. Name: 'com.google.android.gms:play-services-maps:17.0.0'
Function: play-services-maps
Source: <https://developers.google.com/android/guides/releases>
Author: Google
7. Name: 'joda-time:joda-time:2.10.4'
Function: Date and time library to replace JDK date handling

Source: <https://github.com/JodaOrg/joda-time>

Author: Joda.org

8. Name: 'com.wdullaer:materialdatetimepicker:4.2.3'

Function: MaterialDateTimePicker

Source: <https://github.com/wdullaer/MaterialDateTimePicker>

Author: wdullaer

9. Name: 'devs.mulham.horizontalcalendar:horizontalcalendar:1.3.4'

Function: Horizontal-Calendar

Source: <https://github.com/Mulham-Raee/Horizontal-Calendar>

Author: Mulham-Raee

10. Name: 'com.google.android.gms:play-services-location:17.0.0'

Function: play-services-location

Source: <https://developers.google.com/android/guides/releases>

Author: Google

11. Name: 'org.greenrobot:eventbus:3.1.1'

Function: EventBus is a publish/subscribe event bus optimized for Android.

Source: <https://github.com/greenrobot/EventBus>

Author: greenrobot

12. Name: 'com.google.android.libraries.places:places:2.0.0'

Function: Play Services Places

Source: <https://developers.google.com/places/android-sdk/reference/com/google/android/libraries/places/api/package-summary>

Author: Google

13. Name: compileOnly 'org.projectlombok:lombok:1.18.10'

annotationProcessor 'org.projectlombok:lombok:1.18.10'

Function: Automatic Resource Management, automatic generation of getters, setters, equals, hashCode and toString, and more.

Source: <https://projectlombok.org/setup/gradle>

Author: projectlombok.org

declaration

I declare that this work:

upholds the principles of academic integrity, as defined in the University Academic Misconduct Rules; is original, except where collaboration has been authorised in writing by the course convener in the course outline and/or Wattle site; is produced for the purposes of this assessment task and has not been submitted for assessment in any other context, except where authorised in writing by the course convener; gives appropriate acknowledgement of the ideas, scholarship and intellectual property of others insofar as these have been used; in no part involves copying, cheating, collusion, fabrication, plagiarism or recycling.

Signature: Xuning Tan; Xinyue Xu; Nianen Zhu; Zhe Chen

Date: 18/10/2019