

**FACULTY OF SCIENCE AND TECHNOLOGY**

**COURSEWORK FOR THE  
BIS(HONS) IN MOBILE COMPUTING WITH ENTREPRENEURSHIP; YEAR 2  
BSC (HONS) SOFTWARE ENGINEERING; YEAR 2**

**ACADEMIC SESSION 2020; SEMESTER 2,3,4**

**MBC2014 / CSC2074: MOBILE APPLICATION DEVELOPMENT I / MOBILE  
APPLICATION DEVELOPMENT**

**DEADLINE: 30 Jun 2021**

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**INSTRUCTIONS TO CANDIDATES**

- This assignment will contribute 20% to your final grade.
- This is an individual assignment

**IMPORTANT**

The University requires students to adhere to submission deadlines for any form of assessment. Penalties are applied in relation to unauthorized late submission of work.

- Coursework submitted after the deadline but within 1 week will be accepted for a maximum mark of 40%.
- Work handed in following the extension of 1 week after the original deadline will be regarded as a non-submission and marked zero.

**Academic Honesty Acknowledgement**

"I .....Ng Jih Bin....., (student name). verify that this paper contains entirely my own work. I have not consulted with any outside person or materials other than what was specified (an interviewee, for example) in the assignment or the syllabus requirements. Further, I have not copied or inadvertently copied ideas, sentences, or paragraphs from another student. I realize the penalties (*refer student handbook undergraduate programme*) for any kind of copying or collaboration on any assignment."

*Ng Jih Bin*..... (Student's signature / Date)

[This paper contains ONE question printed on TWO pages]

## Marking Scheme

Criteria	Reference Marks	Marks	Remarks
<u>Creativity</u> Ability to propose and create a useful and interesting app.	5		
<u>Coding</u> A robust app that able to caters for all the scenarios and follow the best Android programming structure and practices. Included good documentation, comments/explanation notes.	5		
<u>Basic Features</u> Ability to code a working app according to the given requirements/ instructions. Able to fulfil all the functionalities and align to the design.	5		
<u>Additional features</u> Ability to think and add appropriate additional non-required function(s) that enhance the purpose of the app	5		
<b>TOTAL</b>	<b>20</b>		

## Task and Deliverables

**You're required to submit the project source code (zip in one file) to the eLearn.**

### Question

You are required to propose, design and develop a standalone mobile application (***open topic, it can be any idea***) using the Android platform that has the similar feature as your criminalIntent application using the techniques you've learnt in this course. **Write a short paragraph to describe your application (use the table below).**

The mobile application you should develop is an app that allows users to record a list of items, the details of the items should include the compulsory information such as title, date/time, a photo and any additional information related to the item.

The App should have a list of the items, a detailed view activity showing information of a selected item, and an activity that allows the addition of a new item.

The items information should be stored on the phone. A restart of the app will display all previously recorded entries. The use of DatePicker and TimePicker are required for the date and time entry, and the use of RecyclerView and ViewPager are recommended, though you may use other suitable techniques.

### Basic Features:

- List of the items
- Detailed view activity for a selected item

- Adding of a new item
- DatePicker and TimePicker

<b>App Name</b> <b>App Description</b>	Chores Master Its an app meant for organizing chores. In Chores Master, users will be prompt to add the chores and assign the date and time that it must be completed. The app will then show a list of the chores added in the main page.
<b>Features, Functions, Or Widgets</b>	<b>Justification/Reasons</b>
1. Deleting Chores	In addition of adding new chores into the lists of chores, users can also delete the chores they want to, and the app will not be congested with too many items on the list.
2. Counting Chores	Chores Master can also count the numbers of chores that is in the list, this can help users to keep track on their chores that needs to be completed.
3. TextDrawable	To enhance the recyclerview of the item listing, I added a TextDrawable that will use the first letter of each chores title as a TextDrawable.
4. ImageView	An ImageView is also added in the app. When a chore is completed, an image of a sparkly clean house will be shown in the recyclerview next to the item that is set to be completed.