

Singapore Polytechnic
School of Electrical & Electronic Engineering
Mobile Application Development
202526 Semester 1 Lab Test 1 sample

SAS code:
LAB1(15%)

Admission Number: _____



Duration: 60 mins





















Name: _____

Class: _____

Total Mark: _____

Q1. Develop a voucher checking app.

- a) To allow the user to enter the amount spent and check the number of vouchers entitled. (Assuming that user always enter numbers. No validation is required.)
- b) If expenditure $< \$200$, no voucher will be given. Every $\$200$ spent \rightarrow 1 voucher. Maximum is 8 vouchers. Any Expenditure $> \$1600$ will still get only 8 vouchers.
- c) Expenditure $< \$1200$ will get normal vouchers, represented by icon 
- d) Expenditure $\geq \$1200$ will get special vouchers, represented by icon 
- e) The app UI consists of:
 - An **AppBar** showing "**Lab Test 1 Sample by <your name>**"
 - In the **body** of the screen, the following items appear from top to bottom, in this sequence:
 1. The image "**gift.png**"
 2. A line of Text "**Enter expenditure: \$**" followed by a **TextField** (for input) to its immediate right.
 3. A **FilledButton** with the text "**check**"
 4. The output area. Output display appears after the "**check**" button is clicked. Sample outputs, depending on the expenditure entered, shown below:

Expenditure \$	Output display
<200	Number of vouchers: 0
250	Number of vouchers: 
1199	Number of vouchers:     
1200	Number of vouchers:      
10000	Number of vouchers:        

gift.png



`Icon x = const Icon(Icons.add_box);`



`Icon y = const Icon(Icons.star_purple500_rounded);`

Test your code with the selected device set to "Chrome web".