

## Homework #9 – Ebay Mobile App Exercise

**Total points: 15 points**

### **1) App Icon and welcome screen (1 points)**

- a. App Icon 0.5 points
- b. Welcome screen 0.5 points

### **2) Search Form (3 points)**

- a. Showing labels indicating fields functionality, text input fields, search button, clear button – 1 point
- b. If user leaves keyword empty and performs a search, a valid error message is displayed - 0.5 points
- c. If user makes an error in min/max price, a valid error message is displayed - 0.5 points
- d. Toast messages should be shown for form validation cases – 0.5 points
- e. On clicking the clear button, all fields should will be cleared or reset to their default values - 0.5 points

### **3) Search results (3 points)**

- a. Loading indicator while fetching results – 0.25 points
- b. Loading indicator for refreshing the items – 0.25 points
- c. Text displaying the results with searched keyword – 0.25 points
- d. All results should be displayed with correct name, price, shipping cost, condition, image and each card should be of same size – 1 point
- e. If title on the cards exceeds 3 lines, it should be limited with ellipsis – 0.25 points
- f. The list of items should be scrollable – 0.25 points
- g. When clicking an entry in the list, the corresponding details page is loaded - 0.25 points
- h. Navigate back to main page by back button - 0.25 points
- i. If results are empty No results screen should be shown – 0.25 points

#### 4) Product Details Activity (1.5 points)

- a. All three tabs should be shown with correct name, icons, styling and order - 1 point
- b. The button in the menu should navigate to the product in eBay - 0.25 points
- c. Navigate back to search results as applicable by back button without page refresh - 0.25 points

#### 5) Product tab (2.5 points)

- a. Sliding images/gallery view - 0.5 points
- b. All the details name, price, shipping price, product features including specifications should match in style and data - 2 points

#### 6) Seller info tab (2 points)

- a. All the details of Seller information and return policies should be appropriate in style and data – 2 points

#### 7) Shipping Tab (2 points)

- a. All the details of Shipping information should be appropriate in style and data – 2 points

### Additional Requirements

- Nodejs/Express **backend MUST run on GCP**. All **eBay API** requests must be made on the **server side** (NodeJS/Express). No calls to eBay APIs should be made directly from the Android client side. Any violation will result in a **5-point penalty**.
- Students should save their source code. If there are concerns of collaboration or plagiarism, students will be requested to provide their Android and NodeJS source code for further evaluation.