

CS501 E1 Mobile App Development

Assignment #4

Team Members:

Haowe Li

Hsueh-Yuan Chou

LiangHao Wu

Wanzhi Wang

Wenxuan Yan

Project ideas:

1. Carcare

- Have you ever experienced car paint scratch after car wash because of the auto washer machine? Have you ever experienced over charge dealership maintenance? Not knowing where the right spot for car care and maintenance can be painful. Thus the Carcare app allows users to upload their recommendations for car shops. It can be a car wash, a rational bodyshops, a good garage for modification or a car dealership with a great deal. When a user uploads their post, we will let the user choose the post genre. In order to prevent some stores from sneakily publishing their ads, users will be asked to post their receipt with the post. Also other users can click the trust and untrust button on the post. If a post has over 50 trust buttons, it will be selected as collection posts. One phone numbers can only register one account. When a user searches for the type of car shop, they can search by genres and locations.

2. LetsE

- LetsE is an app for lonely BU students to dine with another lonely BU student. The app will match up people based on their majors, their background information, their interests, and the classes they take together.
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3. CheatBook

- CheatBook will help people, mainly students, to get cheap or even free books.
- Web scraping features help students to learn anything they want quickly and in an efficient way.
- People networking help students to find upperclassmen who had the previous textbooks and in app real time chat can help them with homework
- In app transaction allows people to sell books and be tutor for lower classmen

Chapter 4 Multiple-Choice Exercises

1. The `TableLayout` class can be used to organize various GUI components

Answer: **As a table of rows and columns**

2. The direct superclass of `LinearLayout` and `RelativeLayout` is

Answer: **ViewGroup**

3. `TableLayout` and `TableRow` are direct subclasses of

Answer: **LinearLayout**

4. The `RelativeLayout` class is a good choice to organize various GUI components

Answer: **So that we position components relative to other components**

5. In what package is the `Intent` class?

Answer: **android:content**

6. After you have created an `Intent` for a new activity, what method of the `Activity` class do you call with the `Intent` parameter in order to start a new activity?

Answer: **startActivity**

7. What method of the `Activity` class is automatically called when an activity is about to restart?

Answer: **onRestart**

8. What method of the `Activity` class (and in what order) are automatically called when an activity is first created?

Answer: **onCreate, onStart, onResume**

9. What method of `Activity` class is automatically called when an activity becomes invisible to the user?

Answer: **onStop**

10. Two activities can share the same data

Answer: **Yes, but it is only possible by writing to and reading from a SQLite database**