

# CS 501 Mobile Application Development

## Menus and Database

### Assignment & Worksheet 7

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This worksheet is to be done in collaboration with your project team.

#### Part 1. Do chapter 5, problem 25. C5\_P25

[https://github.com/lchen456/C5\\_P25](https://github.com/lchen456/C5_P25)

Problem 22. Write an app similar to the chapter's app to manage a group of friends. A friend is defined as having a first name, a last name, and an email address. They should be stored in a database. The friend can be added or deleted. His/her data can be modified.

Problem 24. (Same as #22) Provide a search engine where user enters an email; the app searches the database and returns the corresponding first and last names if the email exists

Problem 25. (Same as #24) As the user types, a dropdown suggests possible matching emails retrieved from the database. You should look at the autocomplete textview to implement this feature.

#### Part 2. Do chapter 5, problem 28. C5\_P28

[https://github.com/sj0726/C5\\_P28](https://github.com/sj0726/C5_P28)

Problem 26. Write an app that does error correction. Build a database with one table. That table has two columns: one stores misspelled words and the other stores their corresponding correct words (e.g. "the" is the correct word for "teh"). The contents of that table can be hard coded and should include at least five pairs of words. The app shows an EditText: as the user types, the app corrects misspelled words based on the contents of the table.

Problem 28. Same as #26 with the following feature, the user can delete and update misspelled and correct word pairs.

#### Part 3. Do chapter 5, problem 34. C5\_P34

[https://github.com/AIAuB/C5\\_P34](https://github.com/AIAuB/C5_P34)

Problem 32. Write an app that maintains a TO DO list stored in a database. The user can add items to the list and delete them.

Problem 33. Same as æ 32 with the following feature: the TO DO list is displayed on the first screen.

Problem 34. Same as æ 32 with the following feature: along with each item on the TO DO list, westore a deadline in the database. The first screen should display all the items in the TO DO list, and the past due items should be colored in red.