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CSCI 5708 Assignment 1

Introduction:

Going to a restaurant with group of people for a lunch! Thinking of calculating how much tip do you want to give. Wondering how to split the bill between yourselves! Hurray, you are at the right destination. This app is for you. You just have to enter bill amount, number of people involved, and tip percentage, there you go, this app will instantly display you the results you need. It will calculate the total amount to be paid including tip. It will also give you how much each person have to pay when you go as a group.

Aim:

To build an efficient and reliable application to calculate tip based on tip percentage which is provided and to split the bill between a group of people.

Design:

I have attached a UI design of the application.

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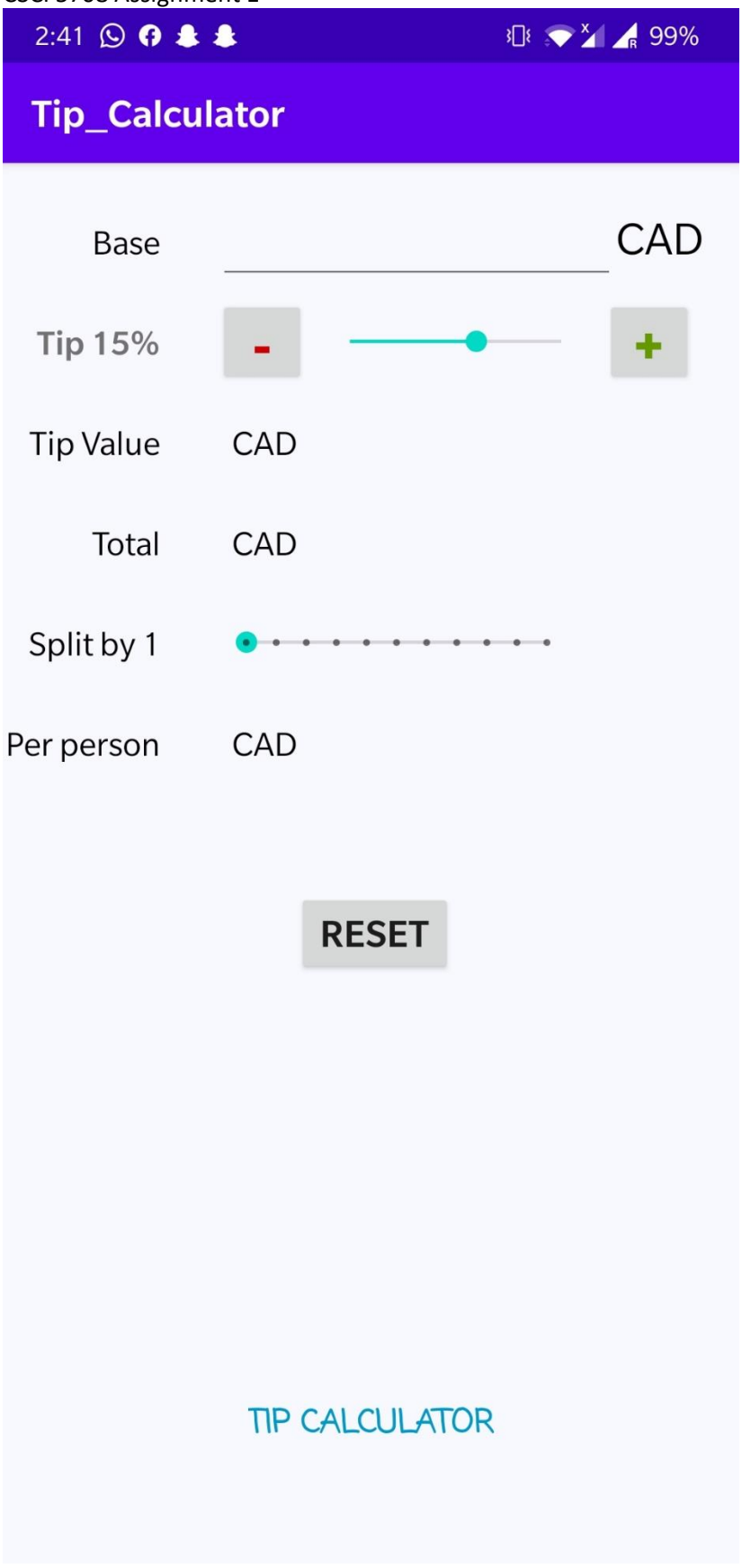

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Planning:

Phase 1: Designing of UI and QA

Phase 2: Prototyping of UI and Code and QA

Phase 3: Implementation and QA

Phase 4: User review

Testing:

Manual testing is performed, and test cased are mentioned below

Case 1: Should only accept numbers and decimals starting from zero – Passed

Case 2: Should take input of max 15 digits including decimal point – Passed

Case 3: Should accept only two decimal places – Passed

Case 4: Should not accept minus sign (-) – Passed

Case 5: Should not accept two zeros at starting – Passed

Case 6: Should accept zero at the starting in order to enter decimals less than zero – Passed

Case 7: Should accept dot (.) and replace dot (.) with 0. – Passed

Case 8: Display results by rounding of to two digits after decimal – Passed

Case 9: Testing reset button to reset all the values to default values – Passed

Case 10: App should not crash when we manually clear the bill amount – Passed

Case 11: Should scroll when phone orientation is changed from portrait to landscape – Passed

References

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