**Project 2 Rubric**

**Riley Marshall**

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| **Item** | **Points** | **Score** |
| Does the project you turned in compile? Does it compile without warnings? | 2 | 2 |
| Are the required tasks all complete? |  |  |
| 1. App displays stored recipes | 2 | 2 |
| 2. Recipe model includes meta-information, category, ingredients, instructions,  optional notes, favorite status | 4 | 4 |
| 3. The user can browse recipes by title | 2 | 2 |
| 4. The user can browse recipes by category | 2 | 2 |
| 5. The user can browse recipes by favorites | 2 | 2 |
| 6. User can search recipes by keyword | 2 | 2 |
| 7. There is a way to create, delete, and update categories | 2 | 2 |
| 8. There is a way to change the categories associated with a recipe and vice versa | 2 | 1 |
| 9. The user can favorite and un-favorite a recipe | 2 | 2 |
| 10. The user can create a new recipe | 2 | 2 |
| 11. The user can edit all aspects of an existing recipe | 2 | 2 |
| 12. The app uses SwiftData to store recipe information | 2 | 2 |
| 13. On an iPad, the app displays in a split view, adapting appropriately to  different device sizes | 2 | 2 |
| 14. The app recognizes the iPhone format and adapts the UI appropriately to  the phone format and different iPhone sizes | 1 | 1 |
| 15. There is a good-looking app icon | 1 | 1 |
| 16. When code or other resources come from external sources, they are  documented appropriately | 1 | .5 |
| Is the coding style consistent? Did the student use whitespace consistently (indenting consistently, dividing code sections consistently, using spaces between operators consistently, etc.)? Is the code sloppy or otherwise hard to read? Too many comments? Not enough comments? | 1 | .5 |
| Is the UI beautiful? Are elements neatly aligned, sized, and balanced? | 1 | .5 |
| Other excellent extras? (Explain.) | 0-3 | 0 |
| Other problematic aspects? (Explain.) |  |  |
| **Total** | ≤ 35 | 32.5 |

Are there any questions in your mind about your solution? \_\_\_\_ Yes \_\_X\_\_ No

If yes, write your specific questions on the back of this rubric. If it’s about a programming technique, it may help to attach a marked-up printout of the code in question.

Your score total must be 35 or less. You don’t need to do anything extra to get 35 points. If you did something extra that is nice, it might compensate for flaws elsewhere. If you specify extra points, it needs to be for something that really is “excellent”, not just interesting.

**Evaluate your Project 2 experience (could be rose/bud/thorn or just a paragraph or two telling me how it went for you):**

Just like the last project it was both incredibly painful and rewarding. I ran into more errors in my code than I ever have before but I was able to figure out most of them. There is still a bug or two that I know are in there and haven’t been able to figure out but most everything I was able to find resources to solve.

The hardest part was trying to figure out the relationship between the category and recipe tables and getting everything to function properly. Once I was able to get everything to work it made a lot more sense but getting there was hard. Also understanding when to use @Query and @Binding and @State was difficult but again was able to figure out.

I am very happy with my result. I spent more hours on this project than probably any individual project ever. I know the UI is not very good but most if not all of the functionality is there. It might be hard to find (for example to delete a recipe you have to go to view all recipes then click the edit button then delete) but it’s all there. Overall I am thankful to have done this project.