# Spiral Plan

The following table briefly describes the scope of each spiral of my CSC 276 project.

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| **Spiral** | **Name** | **List of Project Requirements** | **Explanation** | **Hours to Complete** | |
| **Estimate** | **Actual** |
|  | “Starting Small” | Requirements: 1, 3.3.2  Rules: 3, 5a, 5b | Since I will (hopefully) have a lot of time over Spring Break, I decided to get a big start on the project. I added the computer player to test other requirements more in depth as I add them, and some smaller, simpler rules that I would like to get out of the way early. | 18 | 25 |
|  | Ending, Exiting, and Restarting | Requirements: 3.1, 4  Rules: 6c | Since these requirements have a lot to do with structure of the game and talking to the user, I placed it towards the beginning when there is less code to work with. Also, since I will have Easter Break to work on this spiral, I included 6c. | 9 | 10 |
|  | More Melds | Rules: 4b, 9 | With most of the logic in place to talk to the user and run the game, adding another meld and making sure the two melds do not intersect seems like a viable option to leave until now because it just deals with internal scoring. | 11 | 10 |
|  | Incorporating Deadwood and Hands of Melds | Rules: 6a, 7, 8 | Most of the logic to talk to the user and run the game is already set up, so changing how the scoring is done will not be a huge problem. Changing the scoring later in the plan should not interfere with the logic of the game. Additionally, I moved incorporating winning with a hand of melds because I had extra time. I wanted to get most of my coding done as soon as possible to fix bugs and give myself time to work on other homework due by the end of the semester. | 6 | 6 |
|  | Fix Bugs | None | I should be done coding except XML by now. I wanted to give myself time to fix any bugs or errors found in my code. I also wanted time for other assignments due by the end of the semester. | 0-2 | 0 |
|  | Persistent Storage | Requirements: 5 | I did not learn XML persistent storage until later in the semester, and it seems easy enough to include after the rest of the coding is done. Not completing this until later will not hinder any other requirements. | 6 | 5 |