GitHub link: <https://github.com/saurabhjain071993/TEAM-02-CMPE-202>

Waffle.io link: <https://waffle.io/saurabhjain071993/TEAM-02-CMPE-202>

Week 3

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| --- | --- | --- | --- | --- |
| **Team Member** | **SJSU ID** | **XP Values** | **Design Pattern Used** | **GitHub ID** |
| Ankil Shah | 010817703 | Respect | Decorator | Ankil0007 |
| Bhargav Jain | 010806510 | Communication | Decorator | jainbhargav |
| Bhavin Agrawal | 010827206 | Courage | Observer | Bhavin7181 |
| Saurabh Jain | 010809344 | Simplicity | Prototype | saurabhjain071993 |
| Vansh Shah | 010823761 | Feedback | Factory Method | vansh007 |

**XP Values**

1. **Simplicity**
2. **Communication**
3. **Courage**
4. **Respect**

Our main task in this week is to implement design patterns to different modules of the game. With this we were required to implement remaining operations of the game like character selections. We collaboratively require to decide which characters should be included and which should be not. We have finalized three characters which are Chicken which is selected by default, Chicken Brown and Duck. One of our team member designed and implemented character selection functionality in the game. After implementing all the functionalities, it was required to design class diagram for each and every pattern.

My part was to design class diagram for Score Module in which I am implementing decorator pattern. I have designed classes and implemented my pattern to the score module. Main challenge for me was to integrate my pattern to one of our team member’s pattern Observer. It was not difficult to implement pattern individually but for us both pattern should go hand on hand and it was quite difficult to maintain behaviour of both patterns. We have implemented both the patterns successfully without disturbing behaviour of each pattern. It was required to change some implementation part of both the patterns to work with each other and we have achieved it successfully. My XP value is respect and in this way we have respected each other's implementation.

1. **Feedback**