

Ludo

**CA314 OO Analysis and Design
Group 19**

Members:
Draven Dale Calabria
Alexandra Escandor
John Holbanel
Khrissian Joi Neuda

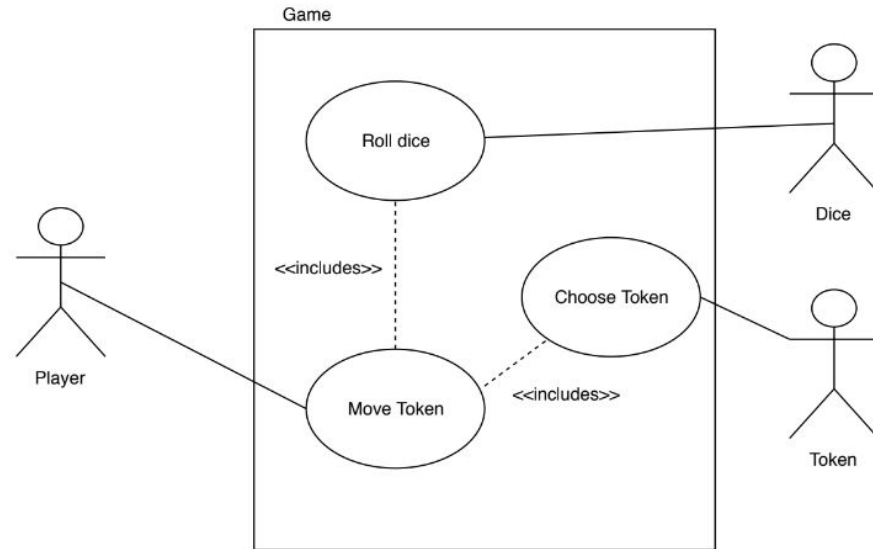




General Procedure Stages

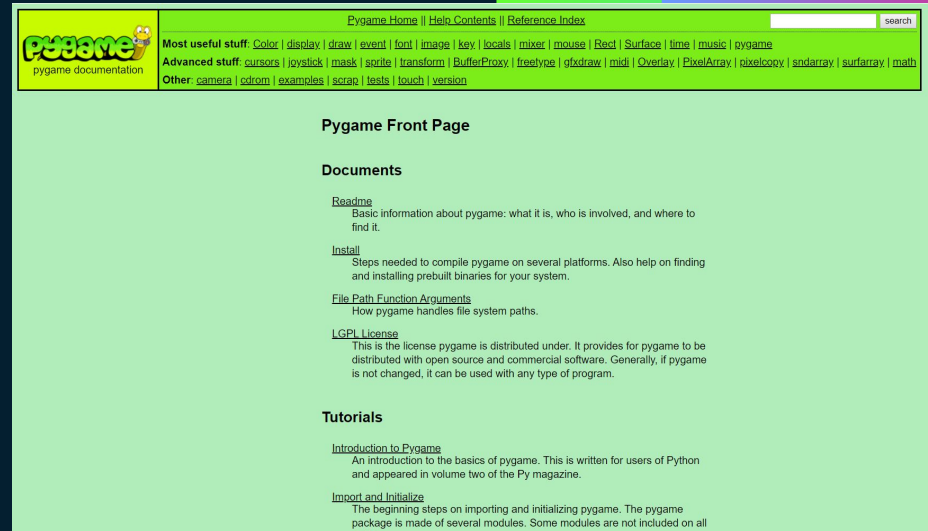
- › Each member tasked to look over pygame documentation and created a Github repository.
- › Class skeleton from previous assignment was revisited.
- › Start page, join page and board UI started.
- › Start page and join page completed.
- › Board UI completed.
- › Dice images added.
- › Worked together on completing the rules.

Use Case



1. Research

- Each member was tasked to look over the pygame documentation.
- Created a Github repository.
- Roles were given out.



2. Class Skeletons

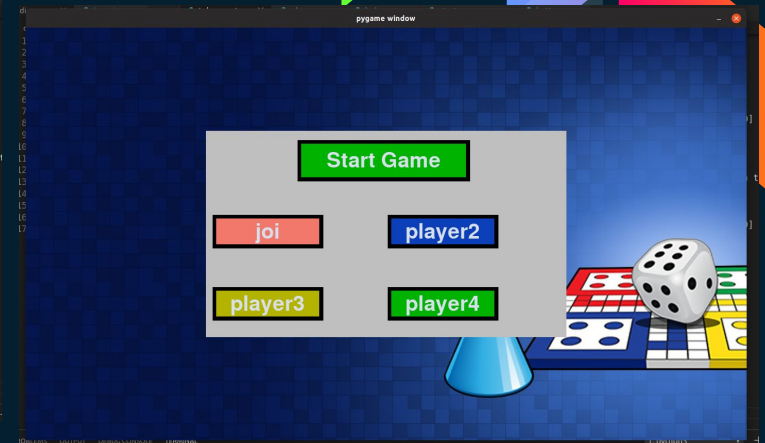
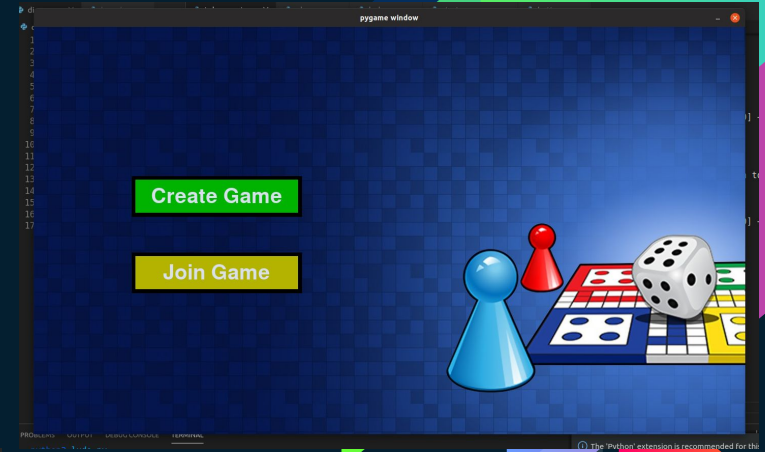
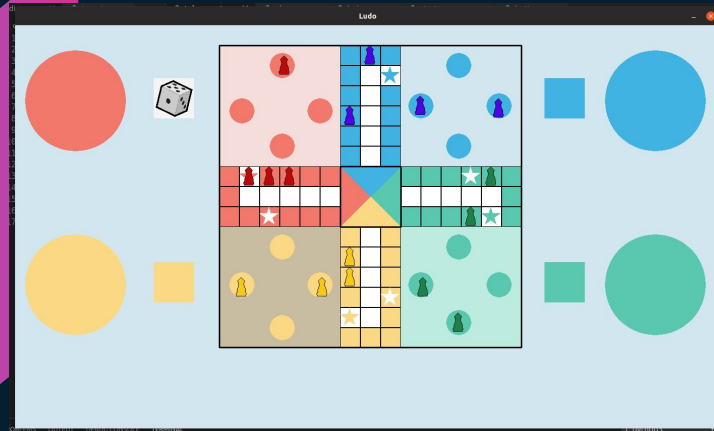
- Class skeletons from previous assignment were revisited and developed further.

Class Skeletons

```
class Game():  
    def __init__(self, playerCount):  
        self.startTime = datetime.datetime.now()  
        self.endTime = None #when game ends it will use  
        self.playerCount = playerCount  
  
    def endGame():  
        self.endTime = datetime.datetime.now()  
  
class Board():  
    def __init__(self, tiles):  
        self.tiles = tiles #92 tiles  
  
    def getTiles(self):  
        return
```

3. Implementation

- UI was begun.
- Start, Join and Board pages implementation were started.



3. Implementation

- Rules of the game were implemented.

Insert video*

4. Bonus Implementation

- Dice images and effects added

Insert video*

5. Debugging and Refactoring

- Tweaked and cleaned the existing code.
- Developed comments
 - Header comments
 - Single-line comments
 - Trailing comments
- Implemented the python coding convention with the use of pep8.

6. Reflection

What to improve:

- › Utilise Git (GitHub) and it's ***merge*** function.
 - › "Do we have the same version?"
- › Comment code for less ambiguity for other team members.

Lessons learnt:

- › Class Skeletons was an extremely useful base for us to develop on.
- › OO reduced the need to repeat sections of code.

The slide features a dark blue background with abstract, colorful geometric shapes in the corners. These shapes are composed of overlapping parallelograms and triangles in shades of purple, blue, green, yellow, and orange, creating a modern, dynamic feel. The text "Thank you!" is centered in a large, white, sans-serif font.

Thank you!