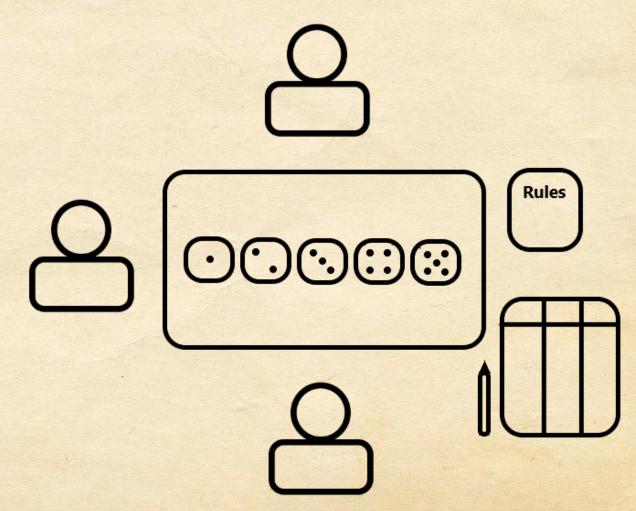


Inpiration: Thief, a fun hot dice game Invented by Cassandra Downs

- Played with 3-6 people
- Hot dice game like Yatzee
- Players earn points by rolling 1, 5 or a set > 2
- Players can steal points from each other at the risk of losing their turn
- First to 10,000 points wins!



Mechanics of the game

- A series of rounds are played until a winner is claimed
- Rounds start with the next active player who rolls 5 dice
- The result is either all valid, some valid or no valid
- If all valid the total chains and the player rolls 5 again
- If some valid the player has a choice
 - Hold all/some of valid dice and roll the remaining or
 - Pass and the next player can steal the turn and take over as active player
- Round ends when active player rolls no valid values or passes and their turn is not stolen



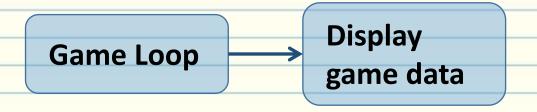
As a user... (early features planned)

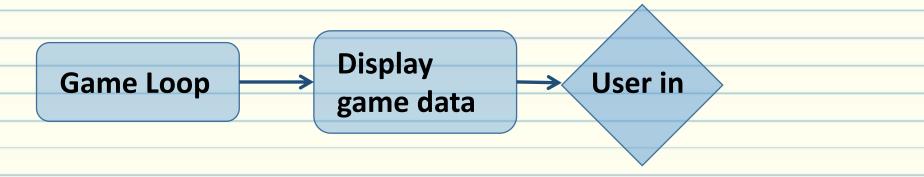
- Access and run application through ttyprompt menu
- Learn the basic rules through a tutorial book
- Create a new game with custom player list
- Play through individual turns
- Be presented with game options
- Next player having option to steal
- Current player must be able to hold roll values

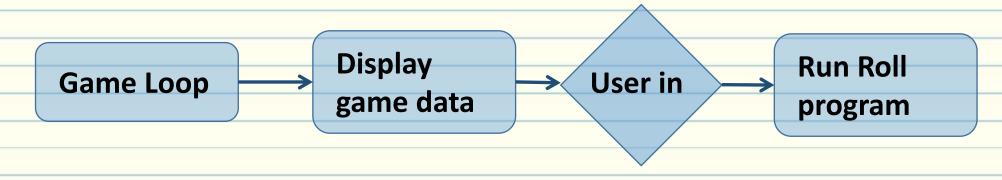
Welcome to my Theif Terminal Game!
Please select from the following: (Press
↑/↓ arrow to move and Enter to select)

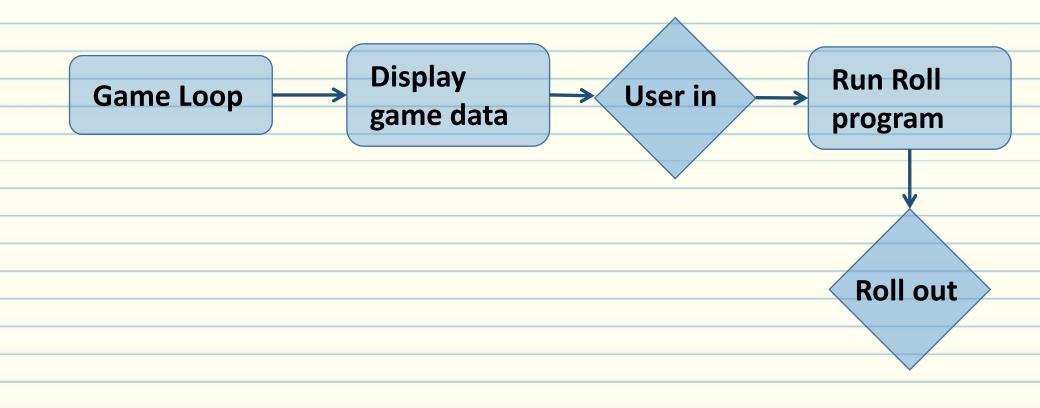
Tutorial
 New Game
 Exit game

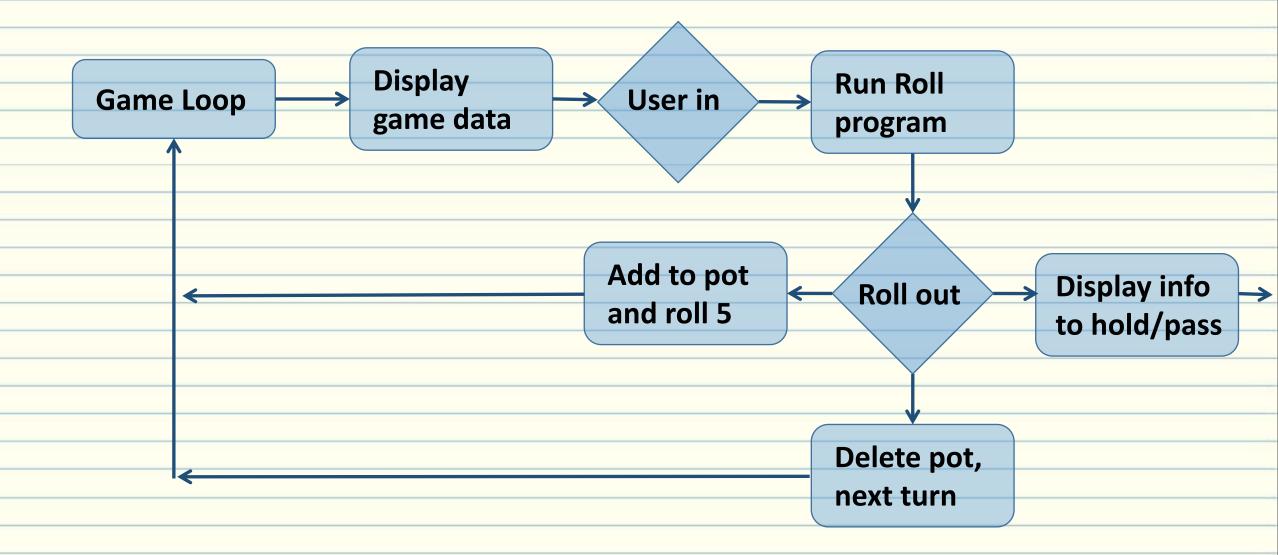
Game Loop





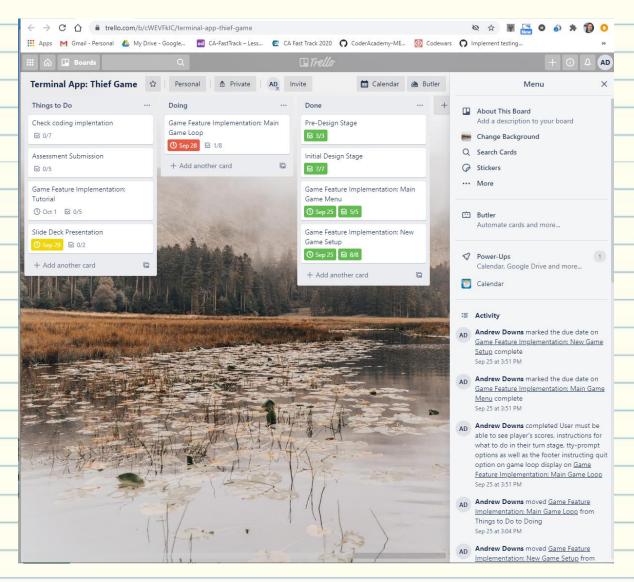






Implementation: Solid start, so promising...

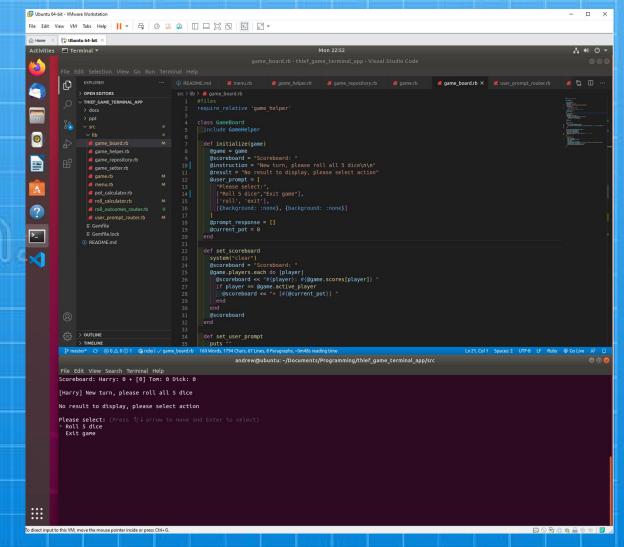
- Initial Design phase (check)
- Game start menu (check)
- Game setup menu (check)
- Main game Loop



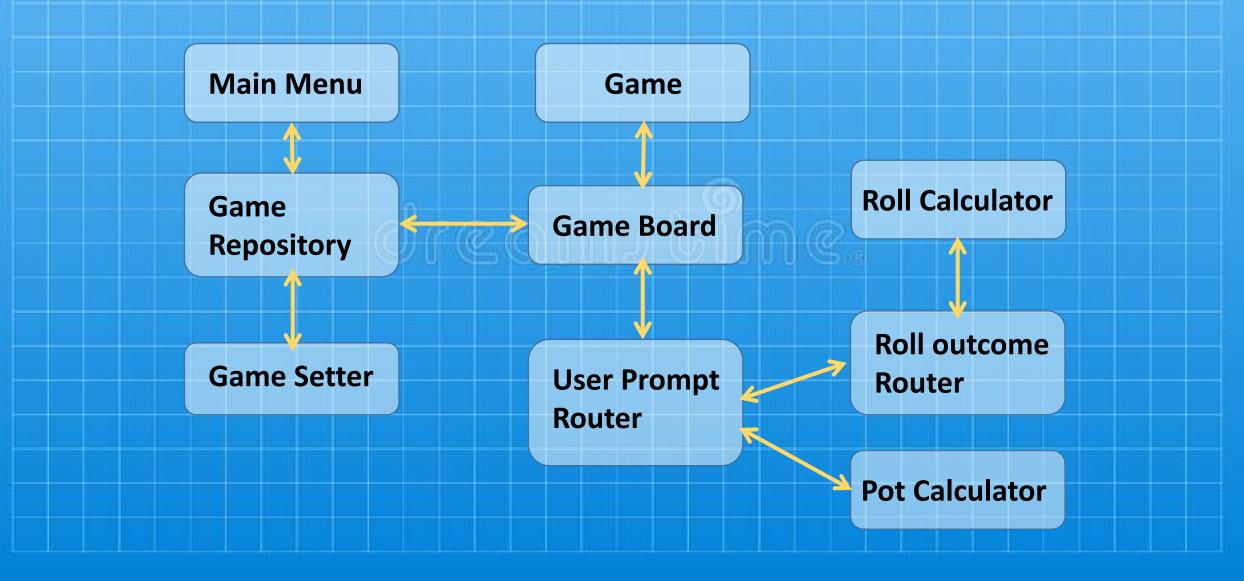
Game logic can have so many classes!

Learning points:

- Have attrigbutes in only one class (DRY!)
- Check how many times you need to repeat instance calls
- Use inheritence properly, don't let your children run wild
- Separate conceptual concerns and expand from the general



Many dependencies/redundancies



Big Problem is separation of concerns

1 Main User display

2 User prompt 1

3 Buiness logic 1

4 Game User display

5 User prompt 2

6 Buiness logic 2

7 Game User display

8 User prompt 3...

Business Logic

User Interface

[User display code]

[User prompt code]

[Buiness logic code]

Rudamentary Class diagram of New Game Logic

- Titles correspond to concepts/classes
- Implementation diagram that will help refine plan
- Relationship UML standard lines/arrows
- Still lots to learn and build

