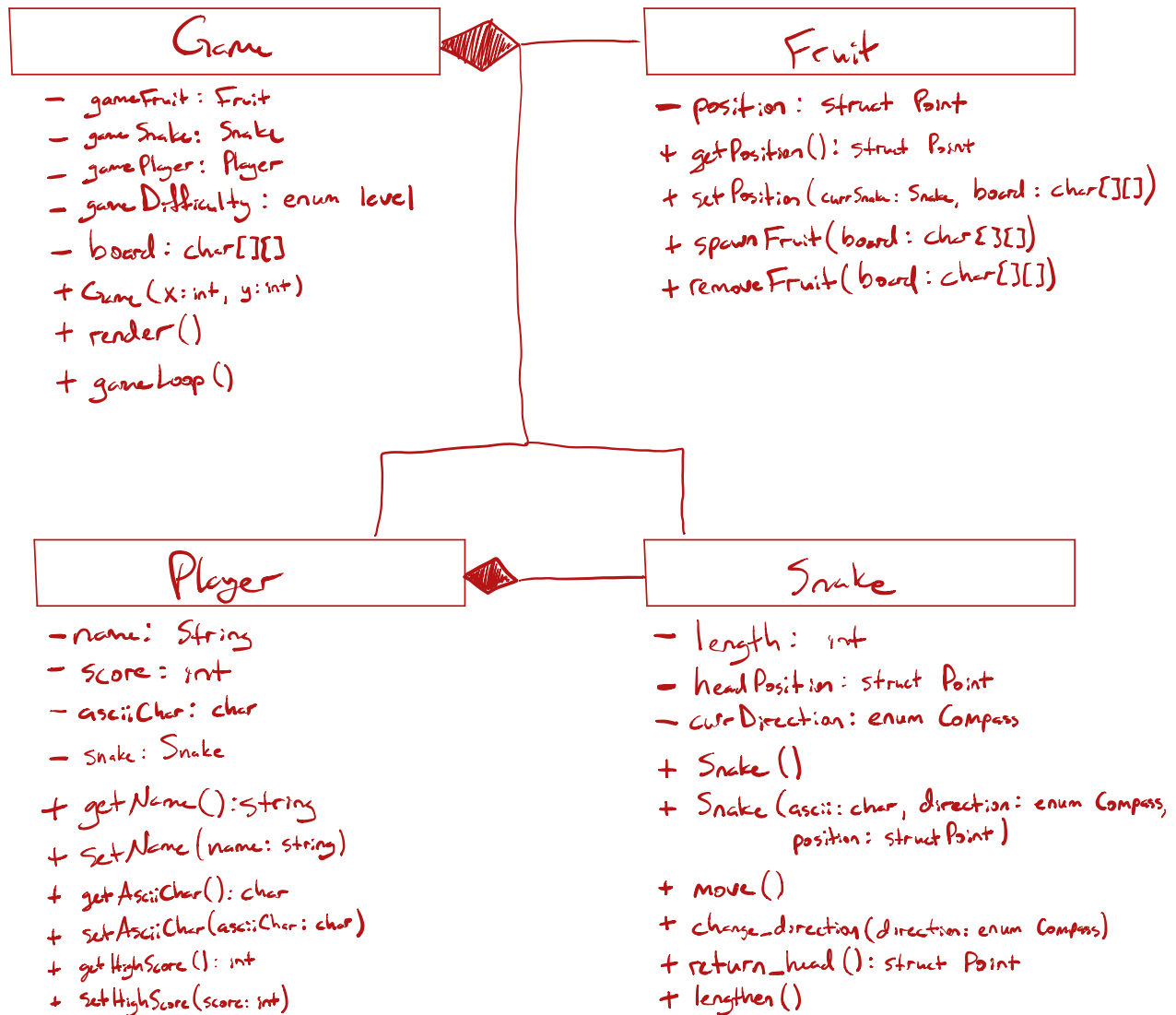


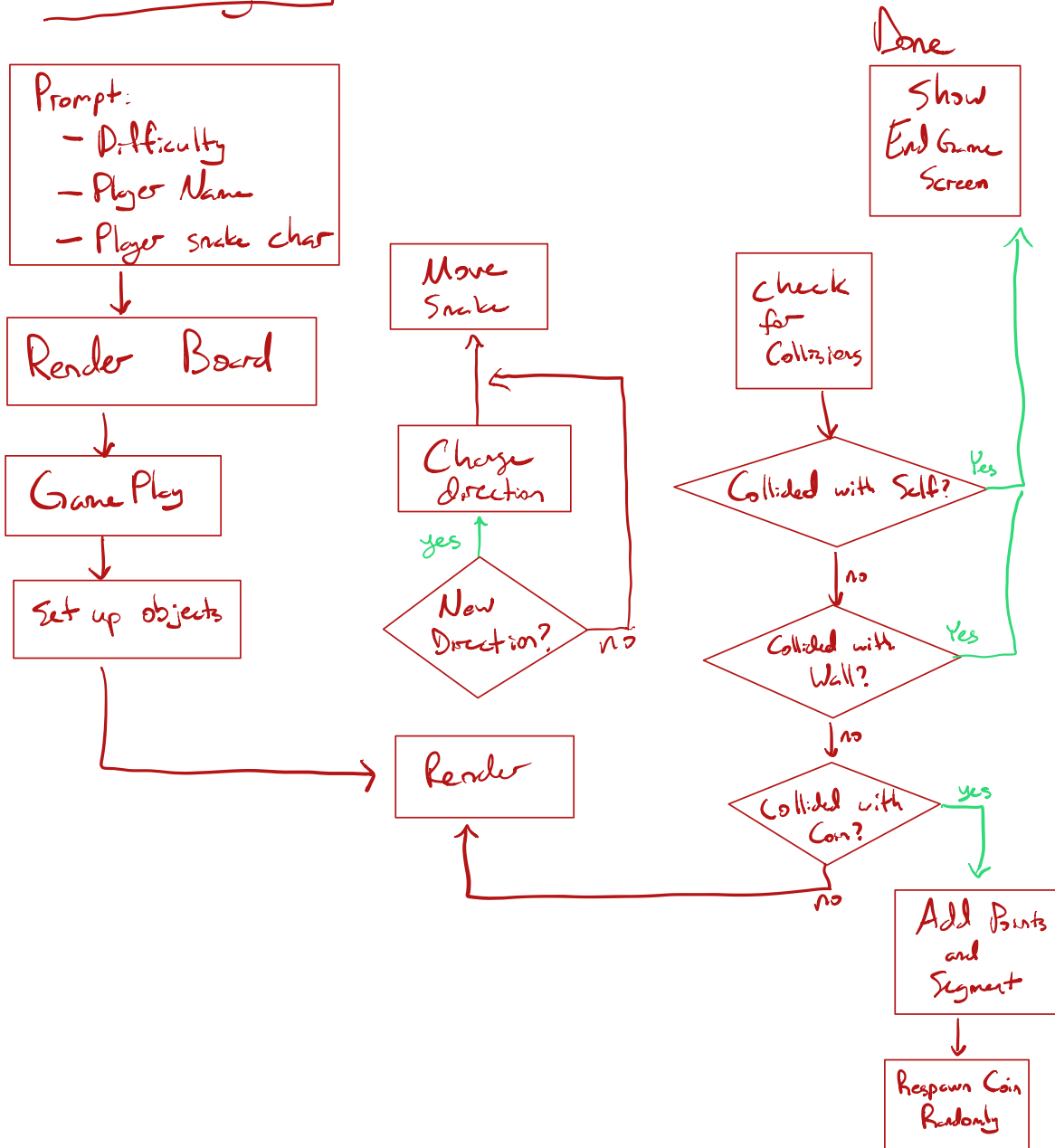
Classes, Flow Diagram, Management, and Timeline

Luke Irvine, Hayden Tinker, Samuel Hernandez, Stefan DePaula

CPTR 142 Final Project



Flow Diagram



Challenges:

- Constant needed for number of columns when declaring array. How do we make a board of variable size then?
 - Solution: make constant a max value
- Unit testing all these functions
- Managing who will do what functions
 - Making sure work is evenly distributed
- Managing Snake body and how multiple directions are maintained simultaneously
 - keep cell "on" for loop iteration?
 - How does loop count change dynamically when fruit is encountered?
- Where/how should we render??
- Chicken or the egg principle

Team Management:

- Luke Irvine
 - Build Master (accepts merge requests)
 - Build unit tests throughout (for cptr245)
 - Assignments throughout
- Stefan DePaula
 - assignments throughout
- Hayden Tinker
 - assignments throughout
- Samuel Hernandez
 - assignments throughout

Timeline:

Phase 1

- Due Feb 24
- Set up classes with function prototypes
- Assignments:
 - Luke: Set up basic tests for mutators and accessors
 - Hayden: Player prototypes
 - Stefan: Game prototypes
 - Sam: Fruit and Snake prototypes

Phase 2

- Due Feb 28
- Build empty board
- Render (print) board
 - Start with terminal/txt file
 - Txt file if it updates dynamically
 - Move on to web
- Get snake of fixed length moving across board
- Change direction of snake with keys
 - Have it wrap around
- Assignments:
 - Luke: more unit tests
 - Also game loop
 - Hayden: Directions
 - Stefan: Snake
 - Sam: Print Board

Phase 4

- Due March 2
- Add fruit
 - Generate randomly across board
- Make fruit change size of Snake

Phase 5

- Due March 6
- End game if snake hits walls or itself

Phase 6

- Due March 9
- Output score to file
- Read high score from file

Phase 7

- DEBUG/slush time
- Due March 16