CIS 120 Homework 9 Proposal

Please do not write more than the space provided and do <u>not</u> change the size of any table.

Please indicate your name, the name of the game you plan to implement, and the core concepts you plan to use. Remember, you need to choose 4 core concepts. If you are using a concept, indicate **yes** and provide a description. If you are not using a concept, indicate **no** and leave the description blank.

Name	e: Yuecheng Zhu	Game:GodSaveTheQueen
1.	Will you use 2-D arrays in your game? □ Yes □ No Describe how:	
	The game will be on the standard 8 x 8	chess board
2.	Will you use Collections in your game? ☐ Yes ☐ No Describe how:	
	To store the attack range of the white ch	ness pieces, I use a Tree map.
3.	Will you use I/O (other than image I/O) in Yes In No Describe how:	n your game?
	Add it in the later phase. The player will and the name of the beloved one to be s	be asked to type in the name of the player saved.

4.	Will you use Inheritance/Subtyping for Dynamic Dispatch in your game? □ Yes □ No Describe how:
	There is a class for the chess pieces. With subclasses rook/bishop/knight/pawn/queen/king. Each will have different behavior. Basic methods are color and attack.
5.	Will you have a Testable component in your game? □ Yes □ No Describe how:
	The interaction among chess pieces and the game board are separated. We test the encapsulated model of the interaction of chess pieces.
6.	Will you use Recursion in your game? □ Yes □ No Describe how:

	Will you use a Novel linked/recursive data structure in your game? □ Yes □ No
	Describe how:
8.	Will you use an Advanced topic in your game?
	□ Yes □ No
	Describe how: