

| Assignment 1 Checklist |   |      |       |
|------------------------|---|------|-------|
| Name:                  |   | ID#: | Lab#: |
| Feature                |   |      |       |
| Modeling               | Player (4 <b>Different</b> primitives)  |      |       |
|                        | At least FOUR scene boundaries of at least 2 primitives each                  |      |       |
|                        | At least FOUR obstacles of at least 2 primitives each                         |      |       |
|                        | At least FOUR collectables in the scene, all drawn with at least 3 primitives |      |       |
|                        | ONE goal, of at least 5 primitives  |      |       |
|                        | TWO different power ups, of at least 4 primitives each                        |      |       |
|                        | At least ONE power up of each type is displayed                               |      |       |
|                        | The collectables, power ups, obstacles should look different.                 |      |       |
|                        | Power ups appear randomly in the scene  |      |       |
|                        | Collectables appear randomly in the scene                                     |      |       |
|                        | The player's health bar is displayed on screen                                |      |       |
|                        | The health bar is updated upon live loss or gain                              |      |       |
| Collisions             | Player is limited to go out of the game boundary                              |      |       |
|                        | Player can not pass through all obstacles in the scene                        |      |       |
|                        | Player can collide with collectables  |      |       |
|                        | Player can collide with goal  |      |       |
|                        | Player can collide with the power ups   |      |       |
|                        | The player loses a live upon collision with obstacles                         |      |       |
| Animation              | The player can miss the collectables and powerups                             |      |       |
|                        | Player movement within the screen(left, right, up and down)                   |      |       |
|                        | The player rotates in the direction of motion                                 |      |       |
|                        | Collectables are placed randomly in the game scene                            |      |       |
|                        | Collectables animation in place   |      |       |
|                        | Goal object animation in place  |      |       |
|                        | Power ups' objects animation in place   |      |       |
|                        | Animation in the background (Something animated in the background)            |      |       |
|                        | The power ups have TWO functionalities  |      |       |
| Text                   | The power ups effect times out after few seconds                              |      |       |
|                        | Display score on screen   |      |       |
|                        | Display game time on screen   |      |       |
|                        | The score variable increases upon collecting collectables                     |      |       |
|                        | The score updates reflects on the screen                                      |      |       |
| Game Theme             | Game end screen with game win or lose text                                    |      |       |
|                        | Game Theme must be consistent   |      |       |
| Sound (Bonus)          | Consistent color scheme   |      |       |
|                        | Background sound played during the whole game                                 |      |       |
|                        | Special sound played upon collecting collectables                             |      |       |
|                        | Special sound played upon collecting the game goal                            |      |       |
| Texture(BONUS)         | Special sound played upon game win and game end                               |      |       |
|                        | Background texture  |      |       |
|                        | Textured player   |      |       |
|                        | Textured obstacles  |      |       |
|                        | Textured goal   |      |       |