# Feature List

### Advanced

* Add references
* Gamepad controller smoothing
* Level integration to stories.
* Implement mouse interaction
* Implement End game
* Add a game over kind of thing.
* Documentation
* Refactoring
* Action specific sounds
* Implement beginning story and the end story.
* Make game full screen.
* Standing not allowed scenarios

## Bugs

* ~~Oscillaiton when using QuadTrees.~~
* Moving with Moving block
* Gate and Charger collision

## Done

* Keyboard controller
* Mouse controller
* Gamepad controller
* Decide controller layout
* Level designer code
* Implement Player
* Implement Camera
* Basic level design
* Implement collisons
* Implement Block
* Break levels into checkpoints
* Implement Lava
* Implement Bitbot
* Implement bit revolver
* Implement bit array gun
* Implement bit matrix blast
* Implement weapon switch
* Implement weapon fire
* Implement Movable Block
* Implement Hiding Block
* Implement EndGate
* Integrate gamepad
* Implement Enemy1
* Implement Enemy2
* Implement the Health Bar
* Implement Enemy3
* Implement Enemy Portal
* Implement Boss1
* Implement the Game background
* Change the theme. Add sprites to all game objects.
* Add a game sound
* Add narratives with text
* Add narratives with pictures
* Add narratives with sound. – Not Doing
* Make enemy width and height be available globally.
* Implement second player – Not Doing
* Implement Camera for two players – Not Doing
* Integrate mouse
* Implement title screen
* Implement the main menu screen
* Implement level menu screen
* Implement level start menu screen
* Implement main menu confirm screen
* Implement pause screen
* Implement quit confirm screen
* Implement game end screen
* Implement settings menu screen
* Break basic levels into sub levels
* Enable checkpoint saving and restarting from the last checkpoint
* Difficulty options – I am not a programmer, I can code, I can reprogram you. More health, More attack frequency, Increased attack power, Smarter. Not Doing the “Smarter” part.
* Implement ChangeLevel
* Powerups – heath buff – Not Doing
* Powerups – attack buff – Not Doing
* Add the puzzle mini game – Not Doing
* Implement current frame rendering – Not Doing as game is working fine without this.
* Lower speed in both x and y directions while ducking
* Implement Gate – Implement a Key
* Bullet ranges. Not Doing
* Bullet positioning. Not Doing as this is applicable only if any of the enemy is bigger than player.
* Proper use of Velocity2f and Point2f objects. Not Doing will be included in “Refactoring”.
* Compress images
* LOS of boss
* Probability of running