Lola’s Learning

Game Design Document

**Executive Summary:**

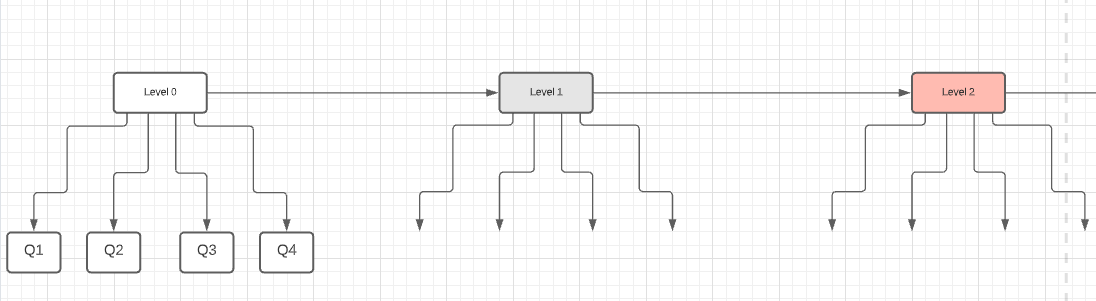
* Overview: The main character, Lola, has to wander through classrooms and answer questions to proceed to the next room. All the classrooms are the same, except they slowly deteriorate into a horror-looking room. It is almost as if the character is going through a nightmare. If Lola gets a question right, she proceeds to the next question. If she gets the question wrong, the nightmare becomes more visible and she will eventually have to run away from a monster in the final level.
* Story of Game: Lola is a student in the school system who is trying her best to escape Failure (the final monster that chases you.) She answers questions, but in the end, failure always sneaks its way around the corner.
* Related Games: Baldy’s Basics
* The World: A school classroom and a hallway that slowly becomes more and more sinister.

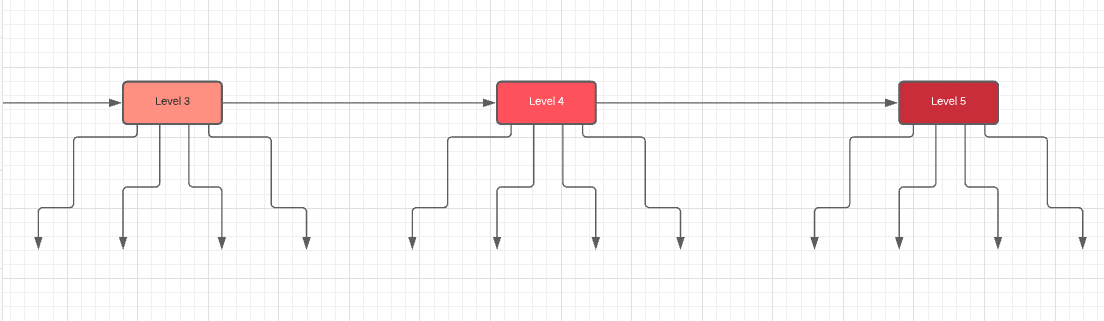


* Main Character: Lola
* Enemies: The final monster, Failure
* Main Game Mechanics: Moving with the arrow keys or WASD keys, pressing “E” to activate question prompt, clicking on answers, running away from the monster in a scrolling game, opening doors by answering questions, etc
* Character Goals: Answer the questions right, escape from this nightmare
* Game Win: Escape the monster, avoid getting hit and lowering your grade
* Game Loss: Get eaten by the nightmare monster and getting a 0% grade

**User Interface Mock-up(s):**

* Flowchart





* Character design:



**Controls:**

* ARROW KEYS and WASD to move
* E to interact
* Q to exit question prompt
* MOUSE to interact with buttons

**Levels Details:**

* Level 0 (Tutorial): (All the answers in all the questions will be right)
* Subject: Math
* Questions:
  + **0.1:** 1 + 1
    - A: 5
    - B: 1
    - C: 2 **(CORRECT)**
    - D: 3
  + **0.2:** 2 \* 3
    - A: 5
    - B: 6 **(CORRECT)**
    - C: 8
    - D: -1
  + **0.3:** 6^3
    - A: 36
    - B: 18
    - C: 232
    - D: 216 **(CORRECT)**
* Level 1:
* Subject: Art
* Questions:
  + **1.1:** Which one is the triangle?
    - A: (Triangle Image) **(CORRECT)**
    - B: (Square Image)
    - C: (Circle Image)
    - D: (Hexagon Image)
  + **1.2:** What is blue and red mixed together?
    - A: Purple **(CORRECT)**
    - B: Orange
    - C: Green
    - D: Pink
  + **1.3:** Who painted The Starry Night?
    - A: Johannes Vermeer
    - B: Vincent van Gogh **(CORRECT)**
    - C: Leonardo da Vinci
    - D: Pablo Picasso
  + **1.4:** What will be the best selling painting in the year 3040? *(NO RIGHT ANSWERS)*
    - A: The Night Watch
    - B: American Gothic
    - C: Guernica
    - D: The Birth of Venus
* Level 2:
* Subject: Science
* Questions:
  + **2.1:** How many legs does a spider have?
    - A: 12
    - B: 4
    - C: 6
    - D: 8 **(CORRECT)**
  + **2.2:** Which of these is not a blood type?
    - A: AB +
    - B: A -
    - C: O +
    - D: BA - **(CORRECT)**
  + **2.3:** Which part of your brain generates fear?
    - A: The right occipital lobe
    - B: The limbic cortex
    - C: The amygdala **(CORRECT)**
    - D: The frontal cortex
  + **2.4:** What happens after you die? *(NO RIGHT ANSWERS)*
    - A: Burnt
    - B: Disappear
    - C: Soulless
    - D: Gone
* Level 3:
* Subject: English
* Questions:
  + **3.1:** Find the mistake in the following sentences: “You’re grades are getting lower and lower.”
    - A: you’re **(CORRECT)**
    - B: grades
    - C: getting
    - D: lower
  + **3.2:** “Your are a failure.”
    - A: failure
    - B: your **(CORRECT)**
    - C: are
    - D: a
  + **3.3:** “You’re a disapointment.”
    - A: are
    - B: you’re
    - C: a
    - D: disapointment **(CORRECT)**
  + **3.4:** Last Question will simply be “Find the mistake” and all the answers will be “You” *(NO RIGHT ANSWERS)*
    - A: you
    - B: you
    - C: you
    - D: you
* Level 4:
* Subject: Physical Educations
* Questions:
  + **4.1:** What would you do if something is chasing you? (the only answer choice is run)
    - A: RUN
    - B: RUN
    - C: RUN
    - D: RUN
  + Once the player clicks on “run”, implements Scrolling game where you run from monster
* Final Level:
* Scrolling Game
* Run from monster

**Score System:**

The score will be called ‘Grade’ in the game. Your grade will start at 100%. The grade will only be deducted if the player gets a question wrong. Otherwise the grade will remain the same. If you get a question wrong 10 points will be deducted.

**Developer Roles:**

* Doreen Ansah:
  + Sound Engineer
  + Level Designer
  + Game Designer
  + Programmer
* Amanda De Rosa:
  + Head Programmer
  + Art Director
  + Level Designer
  + Game Director
* Emma Florent:
  + Sound Engineer
  + Level Designer
  + Game Designer
  + Programmer

**Schedule of Releases:**

* 11/16: Prototype (initial draft)
  + Accomplishments:
    - The three of us worked on the level design
    - Discussed the story of the game
    - Amanda formatted the GDD
* 11/23: First playable (look and gameplay integrated)
  + Accomplishments:
    - Amanda worked on the animation of the main character.
    - Amanda programmed the main character to not walk through objects.
    - Amanda updated the GDD
* 11/30: Pre-Alpha (all characters and levels integrated)
  + Accomplishments:
    - Amanda worked on the interaction with the desk to open the door to enter the hallway.
    - ⅛ of the sprites/backdrops have been added as of now.
    - Doreen and Emma worked on the final level.
    - Doreen implemented a scrolling game
    - Emma worked on the main menu screen and the icons to switch between worlds
    - Amanda implemented a way to spawn in the questions and to remove the questions
    - Amanda made it so that if you click an answer, it will remove the question screen and then open the door.
    - Amanda updated the GDD
* 12/07: Alpha (will be shared for testing)
  + Accomplishments:
    - Almost all of the sprites/backgrounds have been added now. (just missing scrolling game obstacle)
    - Doreen almost finished the scrolling world
    - Amanda finished all the question and answers
    - Amanda implemented the door animation drawn by stepepson
    - Emma created the powerpoint presentation
    - Amanda updated the GDD
* 12/13: Gold Master (final version)
  + Accomplishments:
    - Amanda fully implemented the world boundaries
    - Amanda fully implemented all the art assets created by stepepson
    - Doreen finished the scrolling world
    - Emma did all of the game screens (main menu, game over, credits, etc.)
    - Emma added the background music into the game
    - Amanda completed the GDD

**Game Art** (created by Amanda’s friend, stepepson)

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The following are some of the assets created for the game. Not everything was added to the GDD for the sake of not taking up so many pages.

