

Manda's Adventure

Educational Game
2023



I created an
educational game
that makes learning
basic Chinese super
fun!

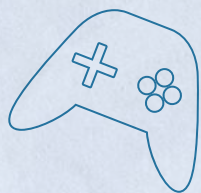


MANDA'S
adventure

Manda's Adventure is an educational game I created for my final project at university. As a multimedia student, I was required to combine designing and coding in my final project, and I wanted to make something extraordinary. And that's why I decided to create Manda's Adventure. Through this game, players can experience a seamless learning situation to learn basic Mandarin writing skills without even realizing it!

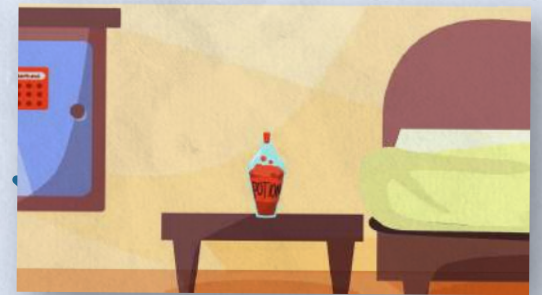


In this project, I was the designer and also the game developer. I used Jesse Schell's Elemental Pentad game development framework to develop this game. I spent a lot of time researching every single detail of the game. I designed the game levels, visual assets, and even the story. Following the Elemental Pentad, I had to prepare the game from the education, aesthetic, story, mechanics, and technology to create a seamless learning experience for the players.



The biggest challenge I have to face in this project is making the game visually appealing for the target audience and giving players a seamless learning experience through the game.

So, how did I deal with it? I conducted a survey to learn the target audience's preferences for asset design style for the game. I gave the questionnaire to 30 target audiences to understand what kind of asset design style they like, and also I asked them what type of game and learning media they prefer to use. From that survey, I learned that my target audiences tend to like a colorful and bright color palette and characters and stories that are more like fantasy. So based on that result, I got to start designing and eveloping my game.



I also consulted with Chinese Teachers about the basic Chinese writing material for the game and how to imply it to my game. I spent countless sleepless nights figuring out what game mechanics I could use. I even watched many game video reviews to learn about various game mechanics. I brainstormed a lot, and after many trials and errors to combine the elements of the game, I finally found out how to implicitly put the basic Chinese writing and create a seamless learning experience through the game!





Manda's Adventure is one of the best projects I've worked on so far! I spent roughly one year completing this project, it was a long journey, but I enjoyed every moment!

From this project, I learned a lot of new skills, such as educational game development, asset design, and even storytelling. I also learned how to manage my time efficiently and problem-solving. I spent many days stressing out while creating this game, but above all that, this project's result was satisfying. Through this game, I can successfully help children learn basic Mandarin more fun and effortlessly. I also got an A score for making this game! Although I was a bit pessimistic while making this game, in the end, I'm proud of myself for being able to develop this game as what society needs.



*Crafting a magical world where
learning is a joyful adventure that sparks
curiosity and imagination.*
