Math Dog Game

About this app:

Teachers have innovatively crafted specialized learning tips for young math enthusiasts, blending fun through mixed math games while tailoring the experience to each child's level of understanding.

Platforms:

Android, iOS

Features:

Generate questions, confirm the correctness of answers, and provide appropriate responses, including animations, sounds, etc., based on the answers.

More information :

Source code : https://github.com/ytphi/CSUSB-CSE6550-math4kid-team2

Author: Liu, Yutong

Software used:

Unity: The evolution of Unity, a licensed game engine utilized for creating video games and various applications, has transformed Unity Technologies into the prominent organization it is today.

Platforms:

Android, iOS

Features:

3D and 2D graphics support

East to understand architecture

Unity scripting API

Animation Tools

More information:

Source code: https://unity.com/download

Author: Kowser, Sultana

Visual Studio:

A Microsoft IDE empowers developers to create apps for desktops, web, mobile, and more.

Platforms:

Android, iOS.

Features:

Develop

Debug

Test

Collaborate

Extend

More information:

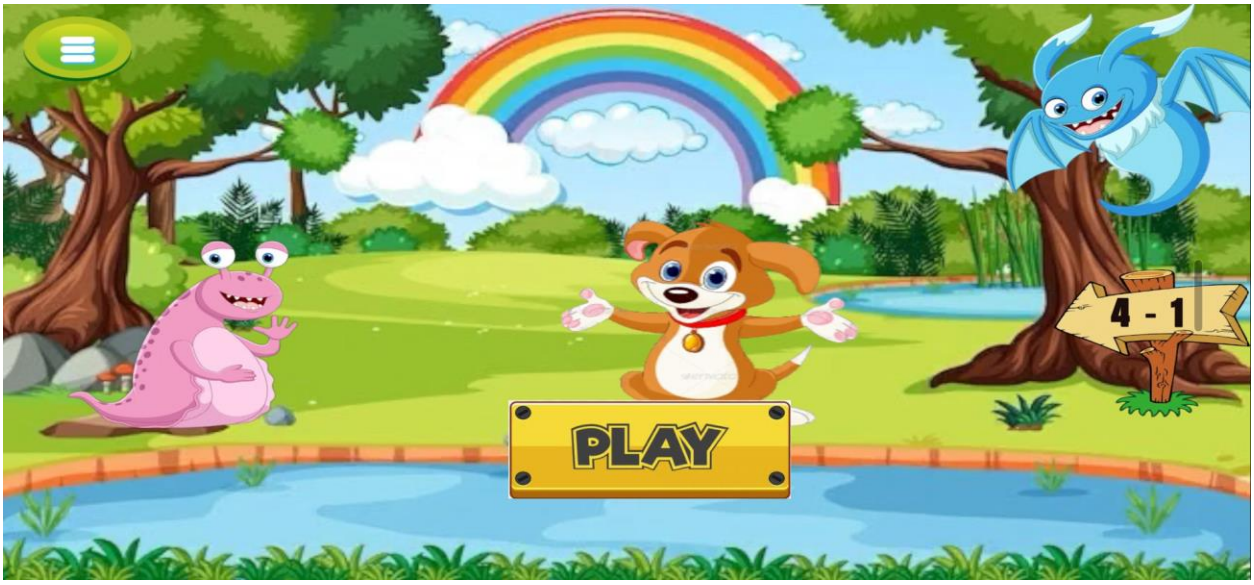
Source code : https://code.visualstudio.com/download

Author: Kommuri, Aneela

Math Kids App Screens:

First Screen:

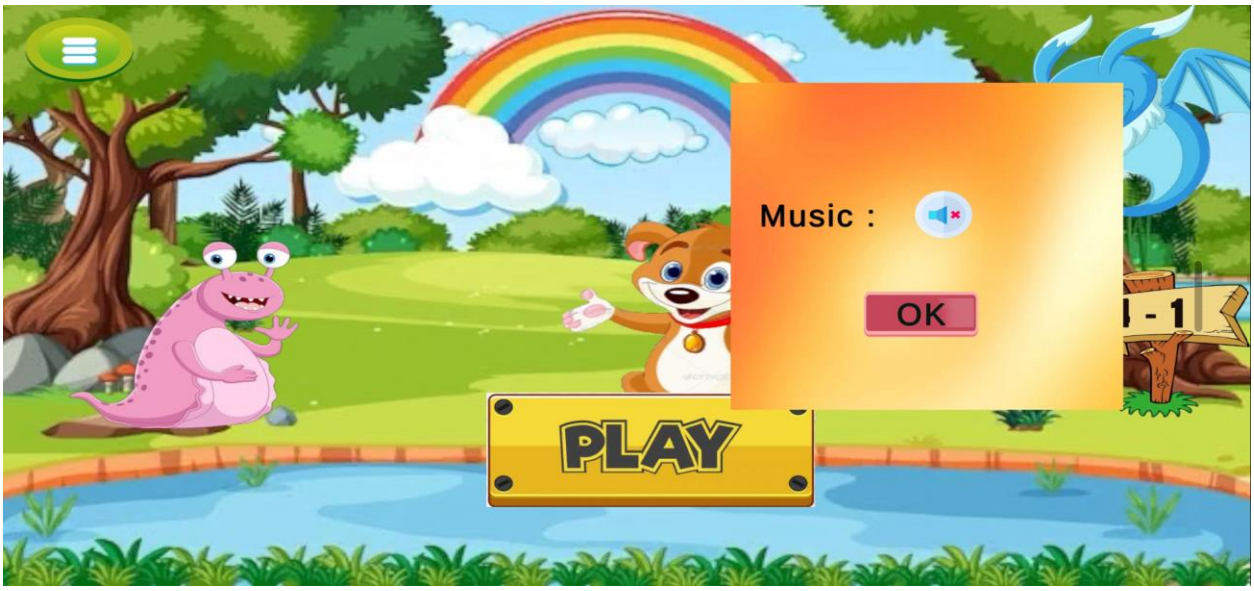
Home screen displays the game page, and by clicking on the play now button, it directs into the game



Author: Kowser, Sultana

Second screen:

By clicking the menu button, the pop up displays the music option. We can play music while playing game or turn off the music.

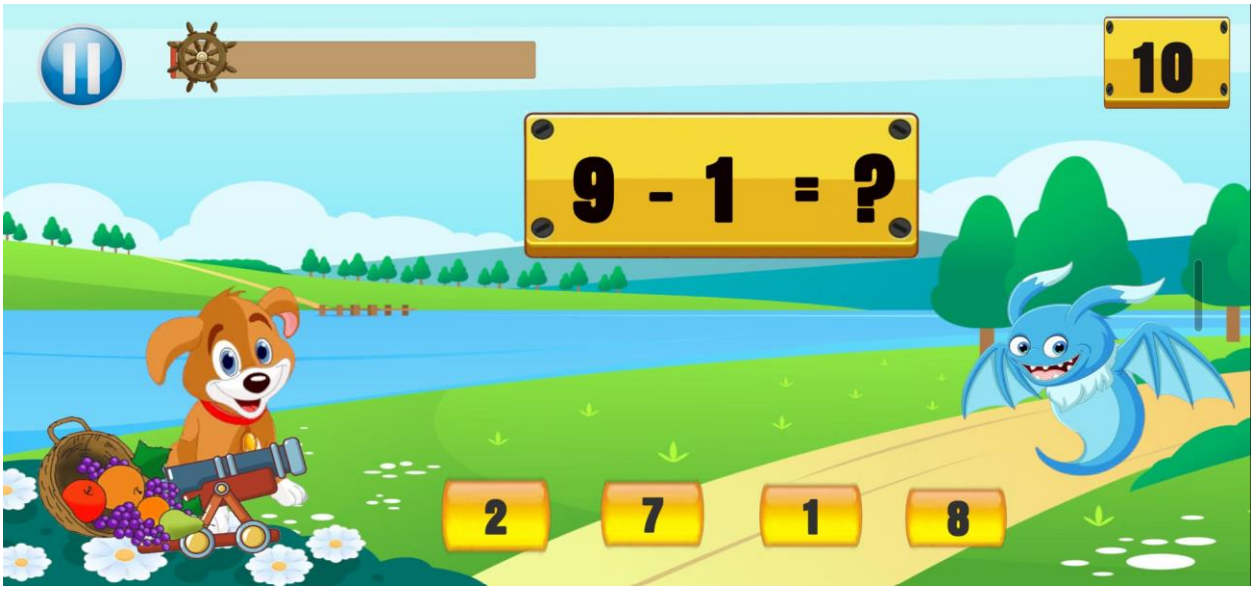


Author: Kowser, Sultana

Third Screen:

By clicking the correct option in the subtracting puzzle, the game moves forward and displays the next question

And, for every correct answer the credit points will be increased



Author: Jella Sharanya

Fourth Screen:

For every correct answer, the dog throws the fruit on the monster. The fruit hits and the monster disappears and the new question pop ups.

Author: Jakkiredy Mohan Kumar Reddy

Fifth screen:

The screen contains the pause button and the red wheel bar on the top left corner displays the timer for the question

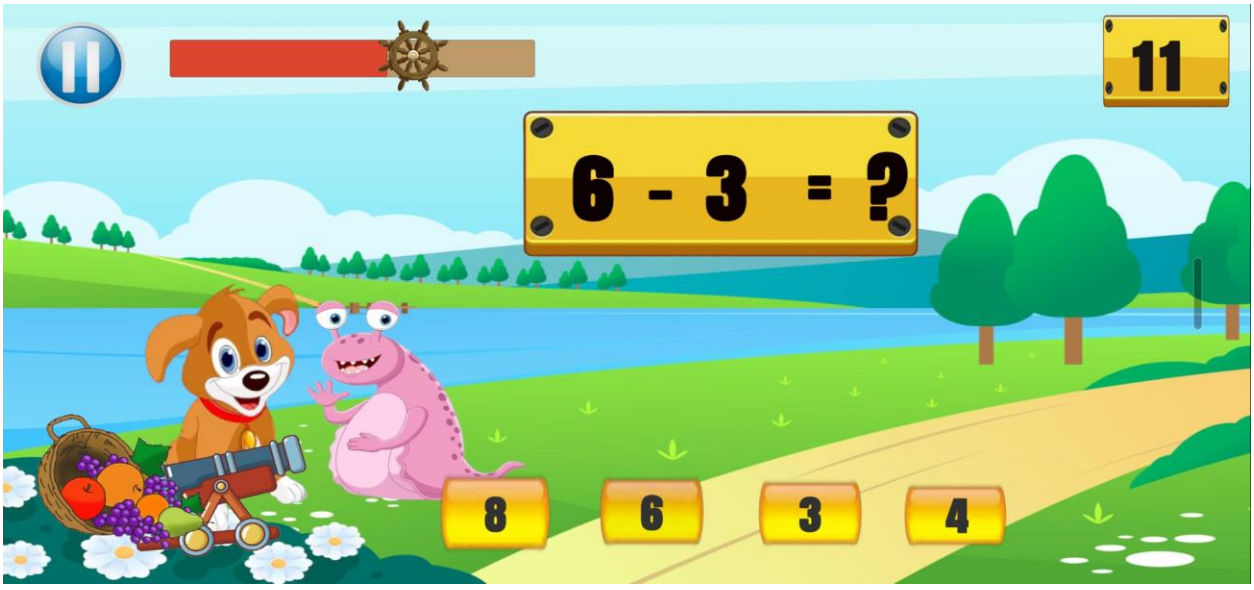
And the score on the top right corner displays the score for the question, for each correct answer the score will be increasing

Author: Jella, Sharanya

Sixth screen:

When we did not give the correct answer or wrong answer the monster will move near the dog

If the monster closes to dog and hits the game closes

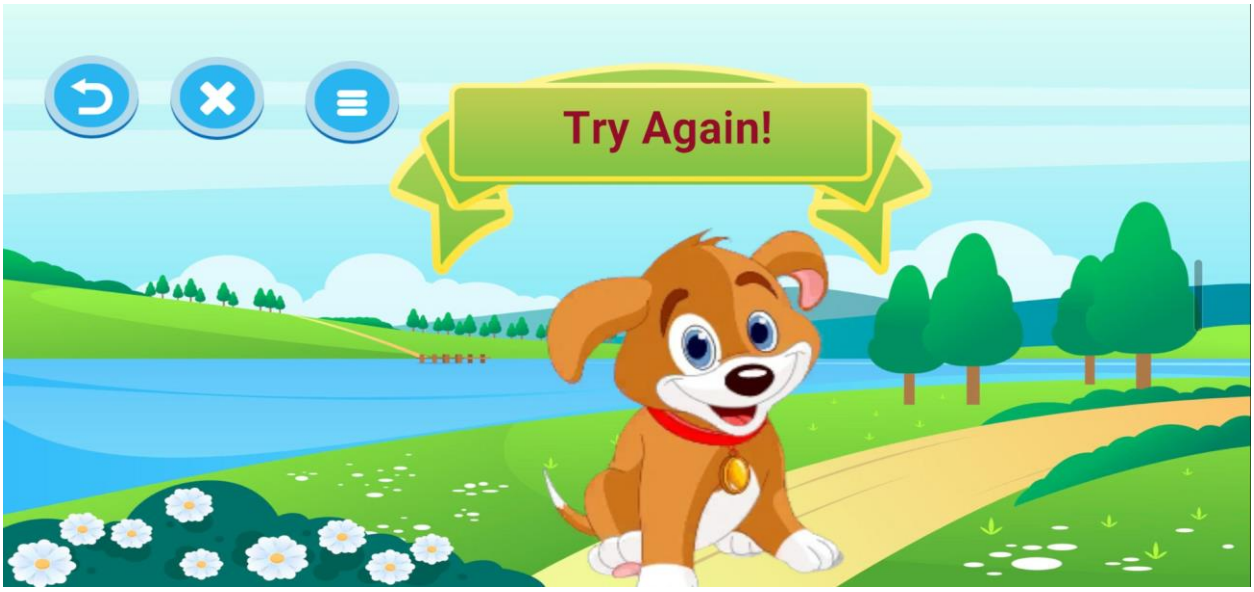


Author: Jakkireddy, Mohan Kumar Reddy

Seventh screen:

After the monster hits the dog, the displays try again screen

In the top left corner, the three options show the return button, exit button and menu button

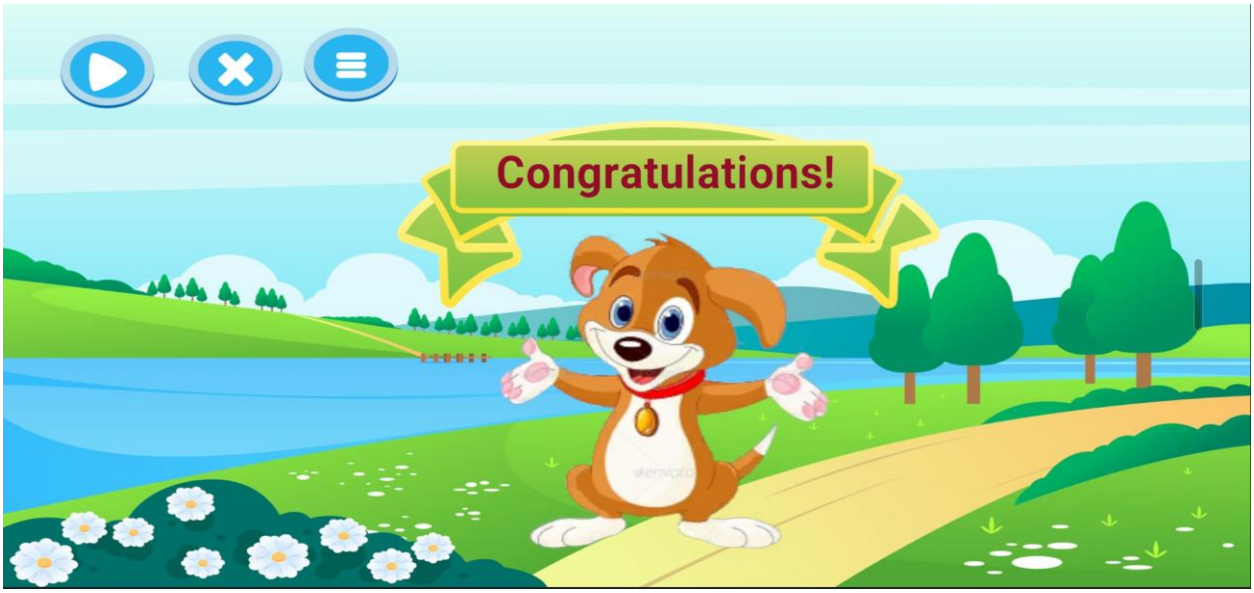


Author: Kowser, Sultana

Eighth Screen:

If all the questions are correct, then the congratulations screen displays and game ends

Top left corner contains three buttons resume button, exit button and menu button



Author: Kowser, Sultana

Platforms:

Android, iOS.

Features:

Screens

Questions

Options

Animations

Animated Transitions:

Transitions are animations used to keep users oriented during user interface (UI) state changes and object manipulations, and make those changes feel smooth instead of jarring

Platforms:

Android, iOS

Features:

Questions

Animations

More information:

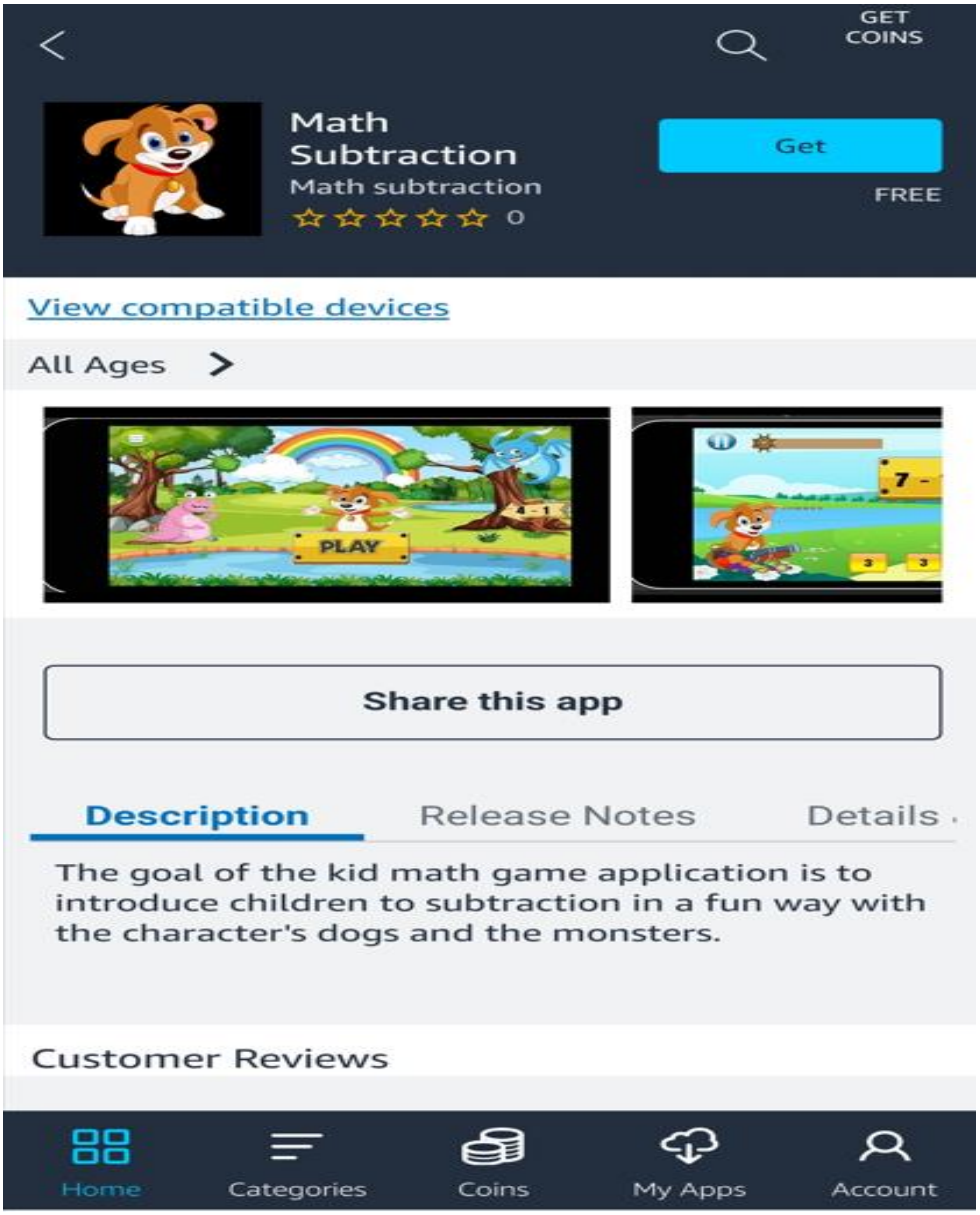
Source code:

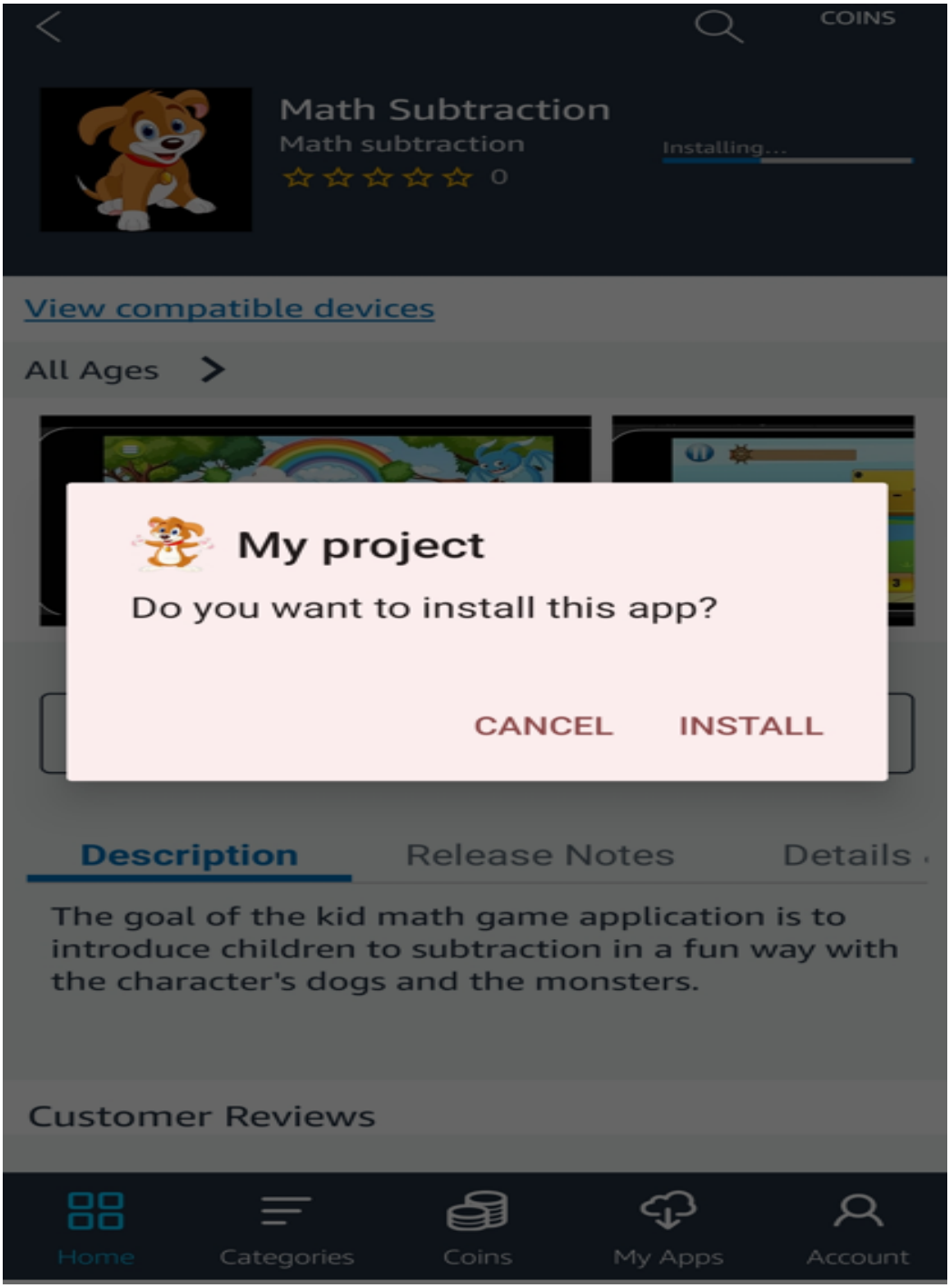
Author: Kowser, Sultana

Gaming Store:

Commercial establishment specializing in selling video games, consoles, peripherals, and related merchandise for gaming enthusiasts.6y

Author: Liu, Yutong




COINS
Math Subtraction
Math subtraction
0
Installing...
View compatible devices
All Ages
My project
Do you want to install this app?
CANCEL
INSTALL
Description
Release Notes
Details
The goal of the kid math game application is to introduce children to subtraction in a fun way with the character's dogs and the monsters.
Customer Reviews
Home
Categories
Coins
My Apps
Account

Share this app
Release Notes
Details & permissions
Details
Rated: All Ages
Languages Supported: English
File Size: Size: 24.1MB
ASIN: B0CLKVYZS9
Latest Developer Update: November 22, 2023
Original Release Date: November 22, 2023
Version: 2.0
Amazon's Return Policy
Sold by: Amazon.com Services LLC
Permissions
•Access information about networks
•Send information about completed downloads
•Open network sockets
•Open windows using the type TYPE_SYSTEM_ALERT, shown on top of all other applications
Customer Reviews
No customer reviews yet. Be the first to review this app.
Home
Categories
Coins
My Apps
Account

Technical Requirements:

Software engineering tools: Azure DevOps (Boards, Pipeline, Repos, Test Plans, Artifacts)

User interface (UI) programming language: Unity

Programming language: C#

App front-end technology: Unity

App back-end technology: Azure App Service

Integrated development environment (IDE): Visual Studio for Unity

Software engineering team: Agile team

Google AdMob in-app ads

Nuget Packages

Cloud PaaS: Azure App Service

Game Algorithm:

Start

Install the game in the Android/IOS

As the start of the game, a math kid game screen immediately appears

Home screen displays the game page with play button, which helps to enter the game.

After entering the game subtracting question will be displayed on the screen

For every correct answer the next question will be displayed on the screen

For each correct answer the dog throws an apple to the monster and the monster will be disappeared

If we didn't give any option, then the monster will come near the dog and the game will be ended

And it displays the 'Try Again' page, it contains replay button, home button and menu button

If we give all the answers correctly then the congratulations screen will appear and the game ends

End

Platforms:

Android, iOS

Features:

A fun filled educational app for kids to learn

Allows kids to learn subtraction in mathematics

For every correct answer by kid, they earn the reward points

It helps to learn subtraction.

More information:

Source code: https://github.com/ytphi/CSUSB-CSE6550-math4kid-team2

Author: Liu, Yutong

UML Diagrams:

Graphic representation of system structure, behavior, and relationships using standardized symbols

Platforms:

Android, iOS.

Features:

Abstraction

Standardized Notation

Various diagram types

Analysis and design

More information :

Source code : https://github.com/ytphi/CSUSB-CSE6550-math4kid-team2/blob/main/Documents/UML%20sequence.jpg

Author : Jakkampudi, Sujana

SRS:

Software Requirements Specification (SRS) is a detailed document defining software project requirements, functions, and constraints.

Platforms:

Android, iOS.

Features:

Game objectives and mechanics

Levels and progression

Math topics

Scoring and feedback

Sound and visuals

More information:

Source code: file:///C:\Users\008440673\Downloads\SRS_Team%202_%2030_10_23.docx

Author: Haridasula, Rohith