

School of Informatics, Computing, and Cyber Systems

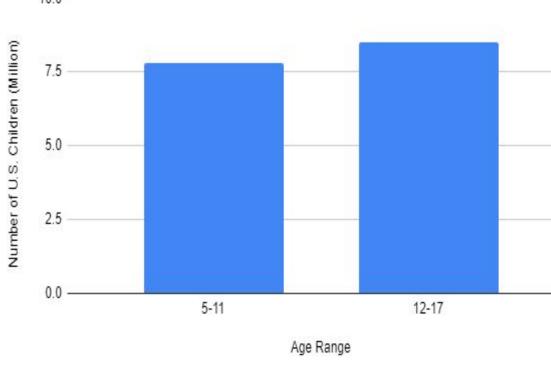
Vaccine Games for Teens Lenin Valdivia, Rain Bigsby, Veronica Cardenas, Ethan Ikhifa Sponsor: Dr. Ashish Amresh - Associate Professor, SICCIS / NAU, Flagstaff, AZ Team Mentor: Tayyaba Shaheen

Motivation

>60% of Arizonans under 20 years of age remain unvaccinated against COVID-19.

No ongoing studies that target adolescent vaccination rate improvement (COVID-19 and HPV).

COVID-19 Unvaccinated U.S. Children by Age Group (October 12, 2022)



Technologies



Key Features

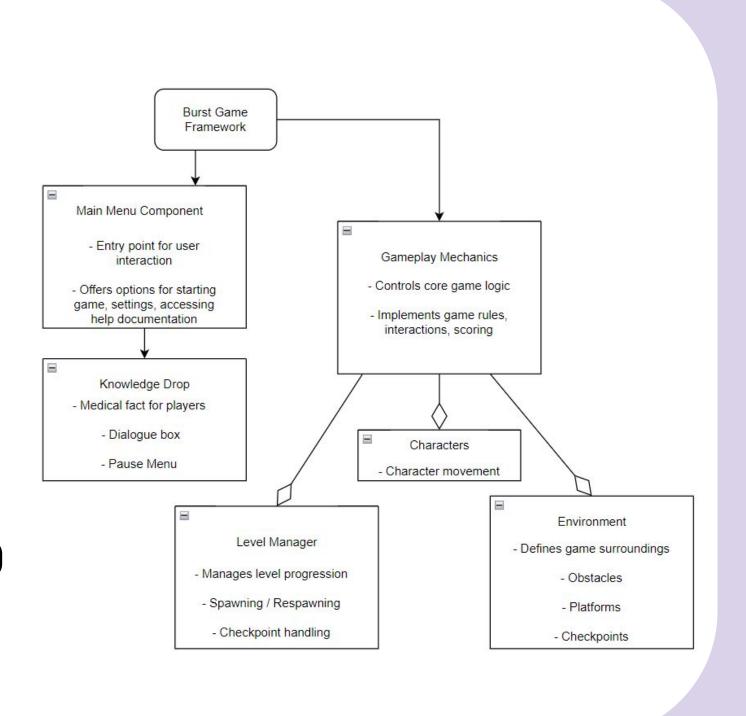
• Level Manager 🔁 🕇

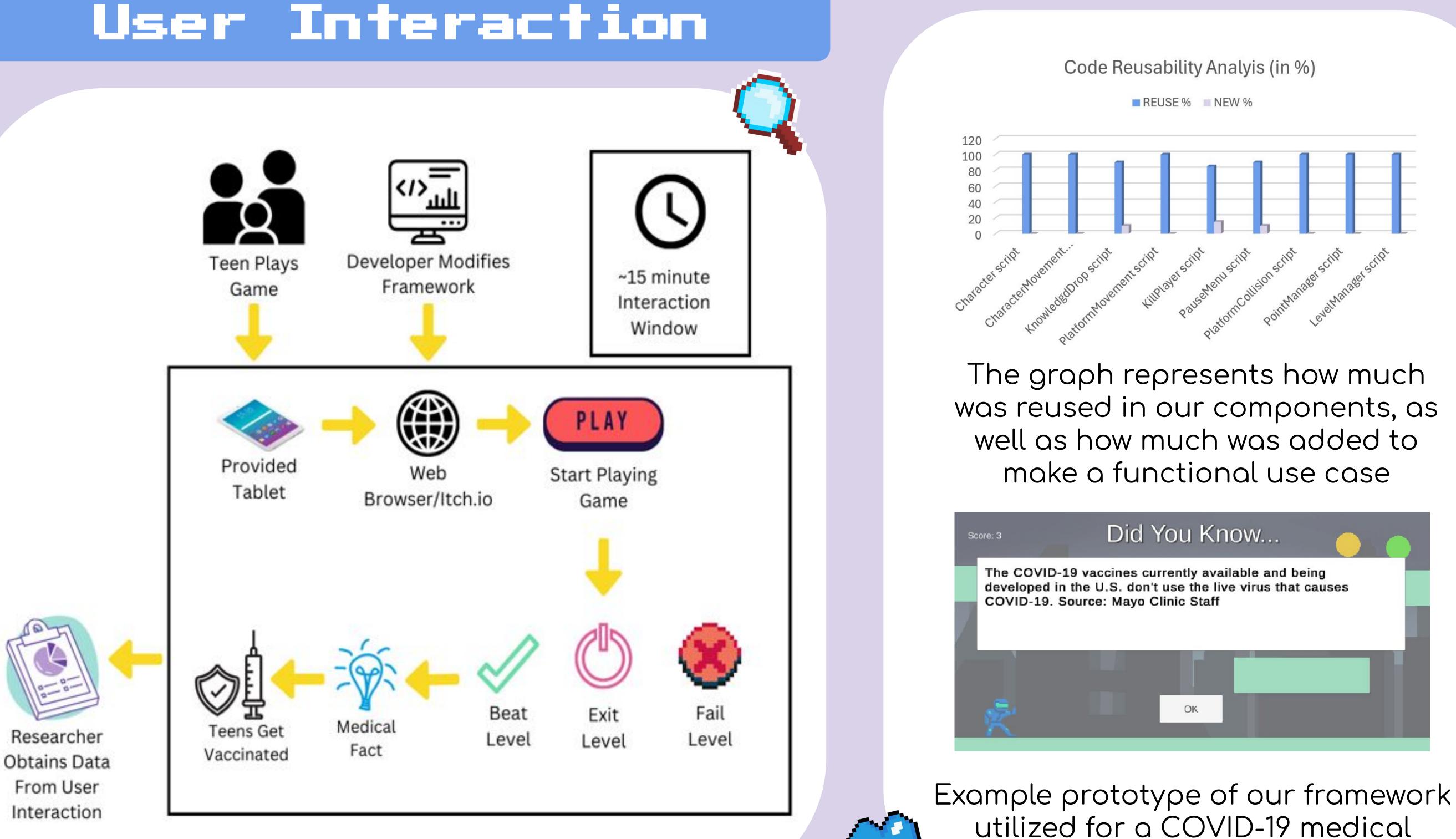
- Environment Module
- Character Components
- Knowledge Drops
- User Interface 🕐

Our Solution

FRAMEWORK: Efficient for rapid burst game development **CONTENT:** components within the framework can be modified **GOAL:** See an increase in vaccination rates among teens and young children within the U.S.

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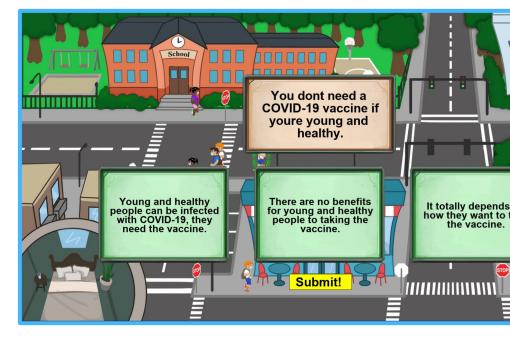




Challenges

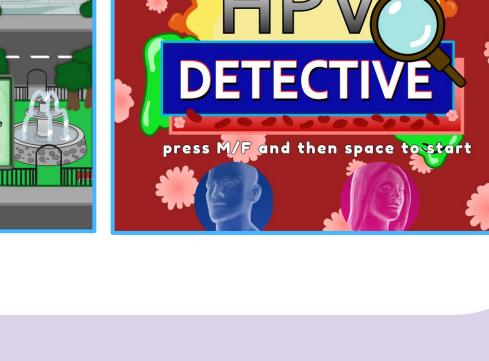
• GitHub and Unity Compatibility

• Software Reusability

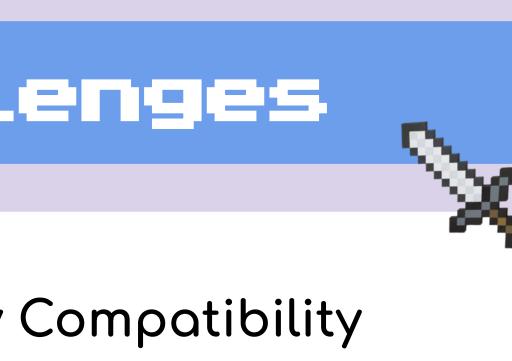


Results.

subject.







MEDICAL GAMING SOLUTIONS