Rhythm Master
By Rhythm Masters
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Introduction

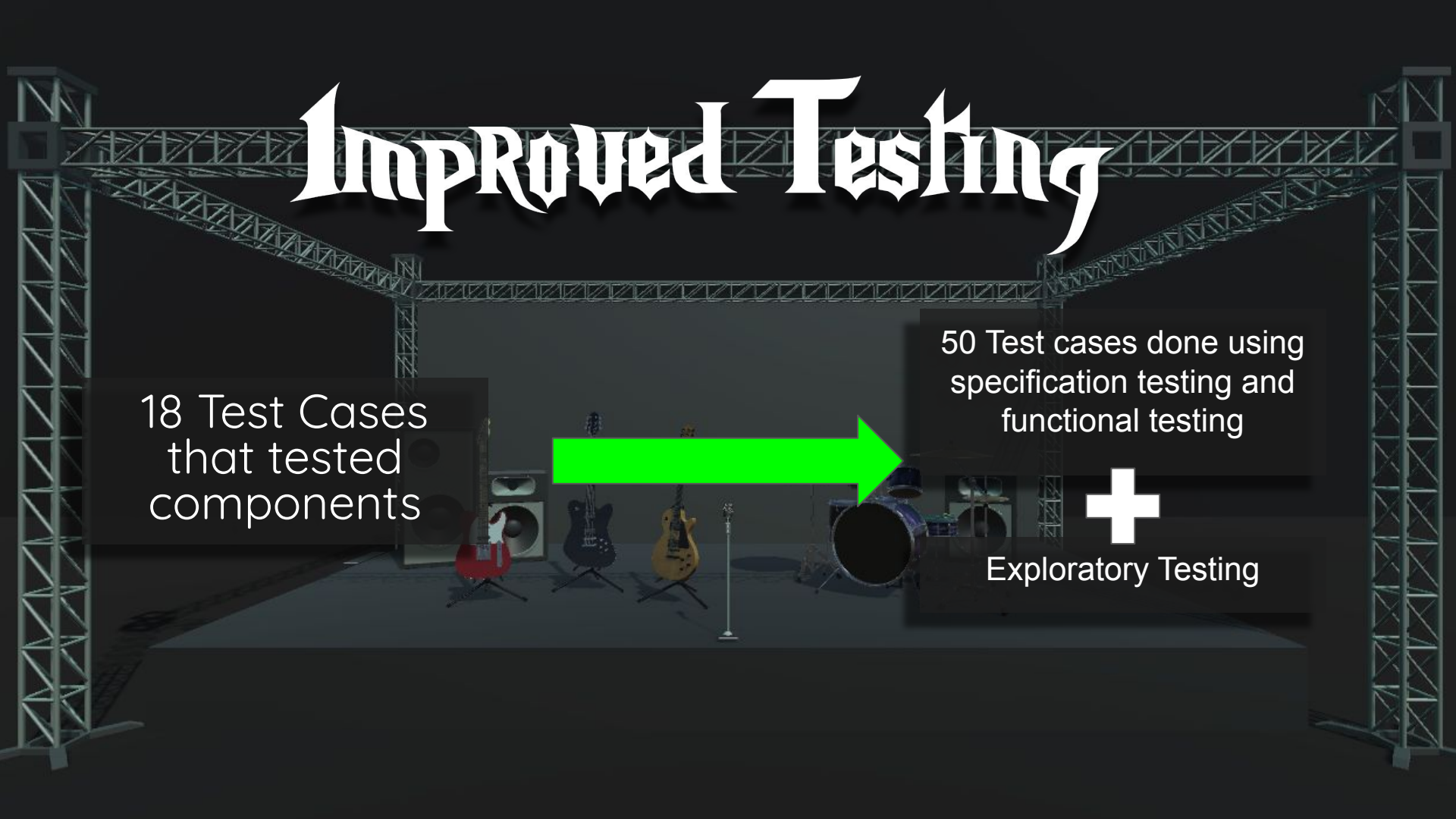
- Based off an open-source rhythm game, Frets on Fire
  - Similar to Guitar Hero
- Improvements made from Frets on Fire
- Software Qualities
- Future Improvements

Improvements

Updated Graphics

Improved Testing

18 Test Cases that tested components



50 Test cases done using specification testing and functional testing

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Exploratory Testing

Updated Software

Python 2

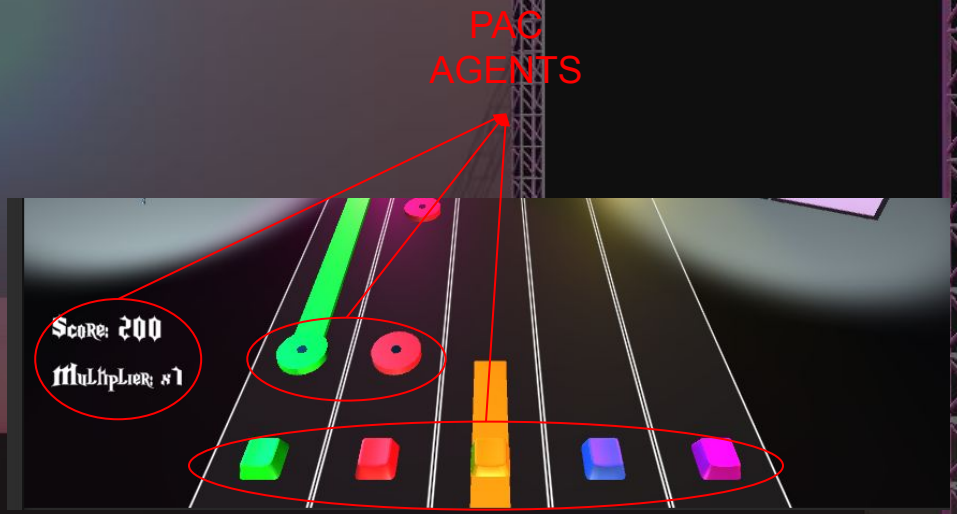
Unity Game Engine

Well supported framework
Improved Portability

DEMO

Architecture

- Our software system uses a PAC architecture
- Supports independent agents
- Low coupling & High Cohesion



Software Qualities

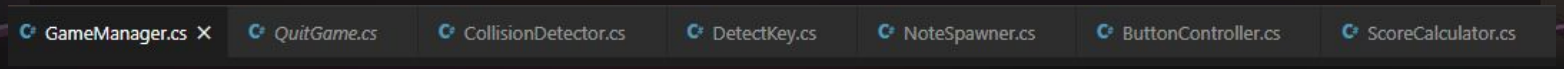
Portability

Unity allows game projects to be exported to numerous platforms, including:

- PC, Mac, and Linux
- iOS
- Android

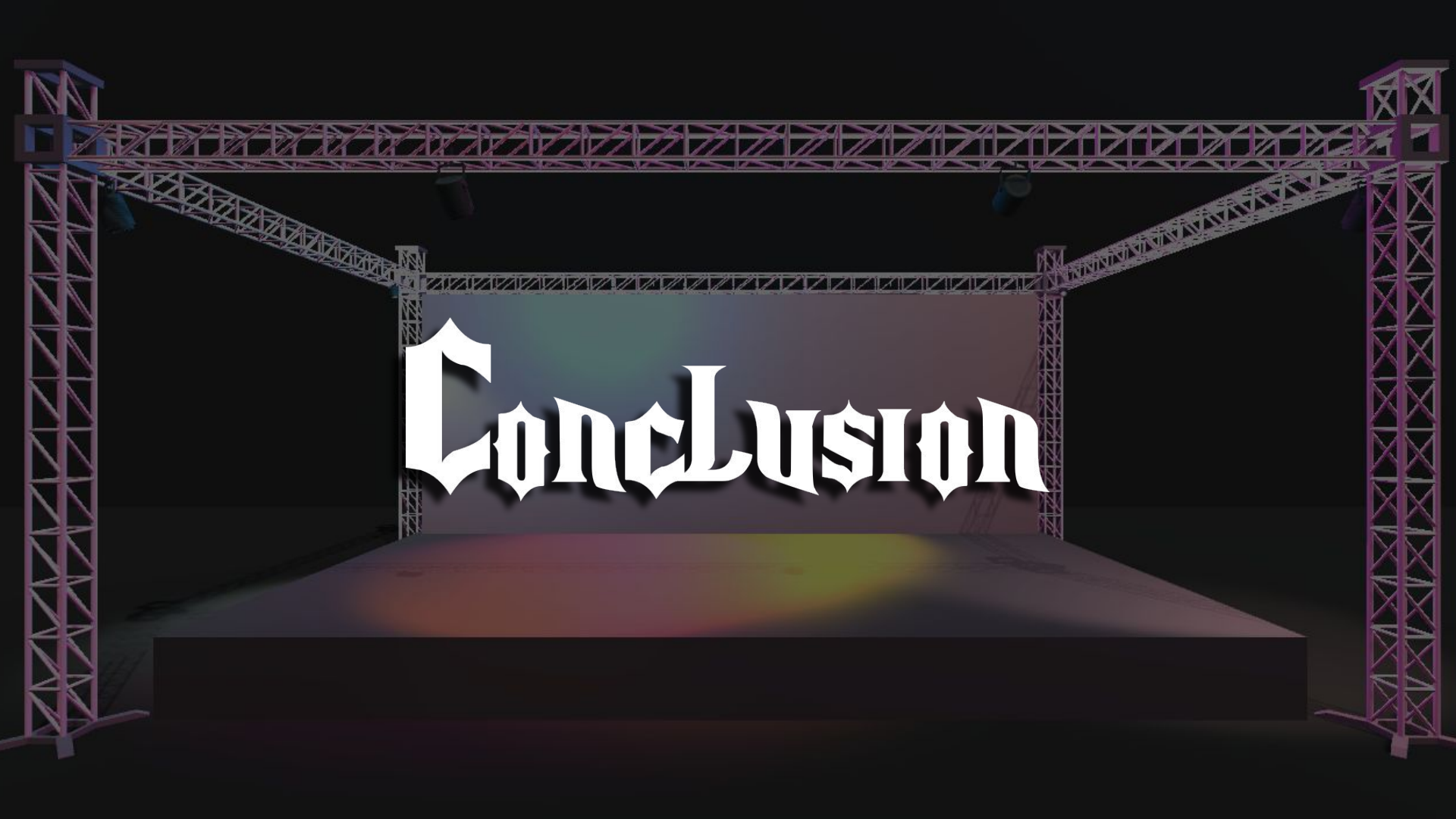
Maintainability

- Every component is represented as a module, and can be easily modified
- Components have one secret



Future Improvements

- Online leaderboards
- Add more tracks
- Allow users to make custom tracks
- Add more effects + Animations
- Allow for different inputs (Controllers, etc)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