

# Wrapper for CanvasJs

Team A2PV



## Thought Process



We collected a bunch of ideas from every domain. Then we eradicated all of them until we found the best one.

We tried to follow every idea but we failed in most of them.

After that some simple intuition helped us to make a really innovative solution.



# Ideas which we have gone through

01

First Idea was to use your Jio phone as a Jio Set-Top Box remote. But as the idea was neither innovative nor beneficial we turned that down.

02

Our Second Idea was quite good which was to implement an app in Jio phone which can be very beneficial to farmers. But because of technical difficulties we drop that idea too.

03

Our third idea was to simply make a Mario Brothers game app for Jio phones. We chose this idea as we are already having some previous experience of making games in CanvasJs.



# Mario Brothers Game

Mario Brother is a game which we all enjoyed playing during our childhood. The main motivation behind building this app is its simple and really fun to play with.

Also, in one of our course Design Practises we were given assignment to make a simple app in CanvasJs, thus we are having some previous experience with building games.

# Where is the Innovation?

While we are coding the Mario Brothers app we realised that as we are converting the CanvasJs app for the Jio phones, all the existing Canvas Games can also be converted to Jio Games just by writing a simple wrapper which will help in running a PC or Browser game in the Jio Phone without any errors.

So finally we created a wrapper as a SAAS(Software as a Service) which can convert all the existing Canvas games to Jio compatible apps.





Our Solution

## The Game Wrapper

The wrapper helps any canvas game to run in an environment of smaller screen and touch buttons. The wrapper imposes a constraint such that all the components of the game are limited to the screen. Also the navigation and the controls are dealt in an intelligent manner. The wrapper makes a custom environment and maps the phones keys to the actual control of the Game.





Our Solution

# Benefits

The Benefits are :-

- All canvas based games can now be played on the Jio phones.
- No external cost on games development.
- Open source.
- Easy to use.
- Fast and efficient.
- Controls can be customised according to users preference.



# Future Improvements

The future improvements are:-

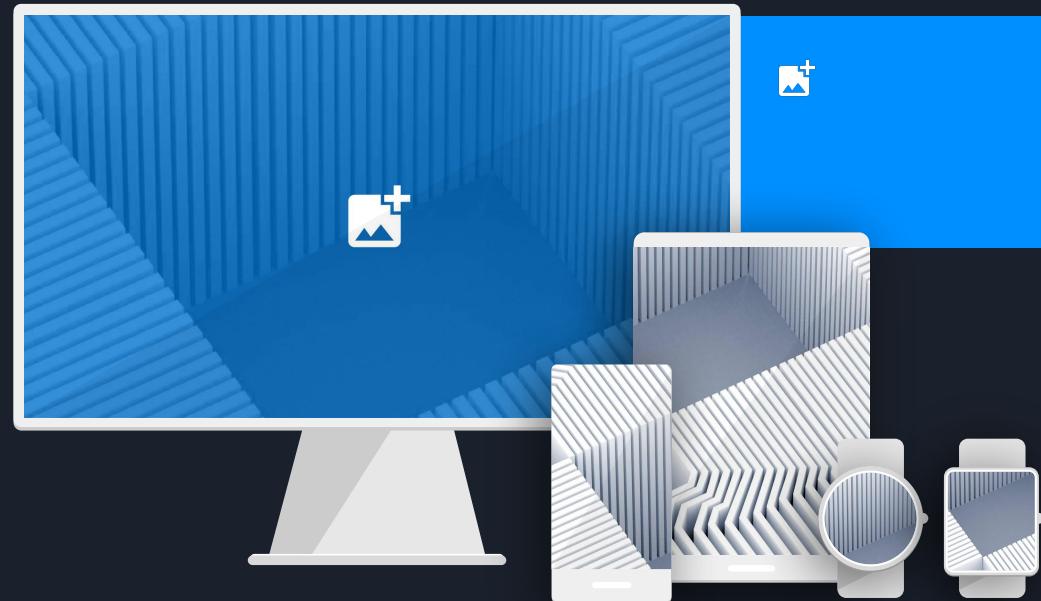
- Can be extended to Set Top Box.
- Currently, very less number of keys are available to play games. In Future keys can be extended by introducing the concept of repetitive keys.
- Much better forms of navigation can be implemented.
- The idea of a wrapper can be extended to other apps also.



# Demo of the wrapper

The demo video can be found on the following youtube links:-

- [Https:](https://www.youtube.com/watch?v=HgkVJLcOOGU)
- [https:](https://www.youtube.com/watch?v=HgkVJLcOOGU)



Thank you!

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