



VOIDECK

BEN SZE, LAM YIK TING

25 APR 2020



VOIDECK

The virtual void deck and community garden for Singaporeans and our senior citizens to interact anytime, at the comfort of their homes.





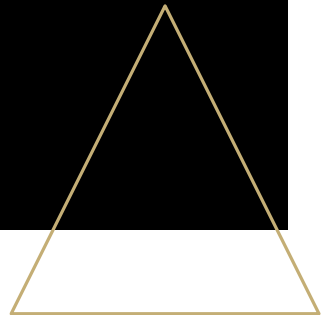
Overview

- Our Idea
- Our Target Audience
- Our App's Functionality

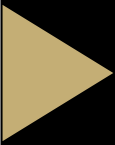


Challenge

- COVID-19 isn't the best for senior citizens.
- Many of them are not sure how to get the timeliest updates or connect with their friends through games.
- Even so, many senior citizens previously in social homes cannot continue with their activities.



Idea



We will be developing a game in order to allow senior citizens in Singapore to be able to communicate with friends and socialize online during the COVID-19 pandemic.



App Features

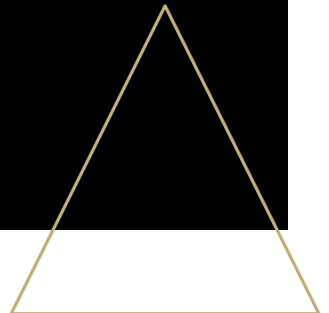
The game allows the senior citizen to play by controlling an avatar that they can customize in a third-person view. They can enjoy activities in the app.

The game will include 360 degrees viewable videos of HDB heartlands to better connect elderly to the physical surroundings they are used to.



Activities

- Board Games (e.g. Chess, Reversi)
 - Nostalgic Games (e.g. Congkak)
 - Brain Stimulating Activities (e.g. Jigsaw Puzzles, Sudoku, Drawing etc.)
 - Physical Exercises
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- The number of games and content is dependent on the available resources.
 - **Automatic voice calls will be made once they enter a game with someone from their community, or another person they know. This allows for easy communication.**

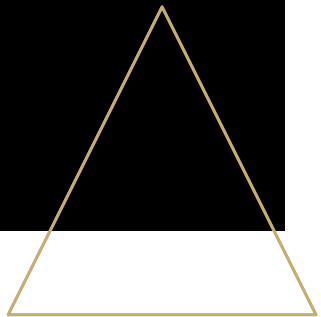




Information

- Timely information will be available regarding the latest updates for COVID-19, which many elderly are having trouble retrieving.

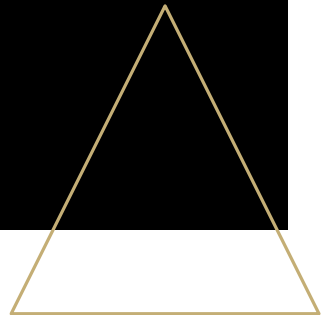
Communication

- Users will be available based on location. For example, if an elderly lives in Tampines, he will be automatically connected to the Tampines community of users.
 - To play with a specific person, the user can add a code to find the user and play with the user.
 - Communication is safe as users are verified.
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Accessibility

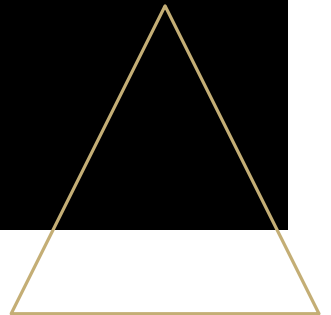
- Senior citizens will not have to spend time typing, but just connect through a voice call.
- Caring homes which are unable to care for them at this time being, can set up groups as volunteers, and allow them to play games together with their previous buddies. Senior citizens can group up together, and continue their usual activities, virtually.
- The app is simple to navigate, with voice support from volunteers anytime senior citizens need help, to allow for that missing personal touch. That way, senior citizens will not worry whenever they need help.
- Voideck will act as a platform for activities suitable for elderly, which no apps currently offer.





Security

- Security is ensured; senior citizens are at ease when using Voideck.
- When downloading the app, a verified volunteer will ensure that the senior citizen is an active and safe user.
- Following that, the volunteer will give a step by step tutorial and explanation on the app, which senior citizens can next enjoy the activities.





Benefits

The benefits of this app include senior citizens being able to socialize with others without the need for going out of their homes.

In addition, they can take this opportunity to better understand how technology and user interfaces work.

Model of User Interface

Colors of optimism and with good contrast with the background has been chosen,
with well-designed buttons for easy access for elderly.

To welcome and verify the user, a video call will be used for introduction.



https://www.redcross.sg/images/mastheads/get_involved_masthead.jpg



Screens

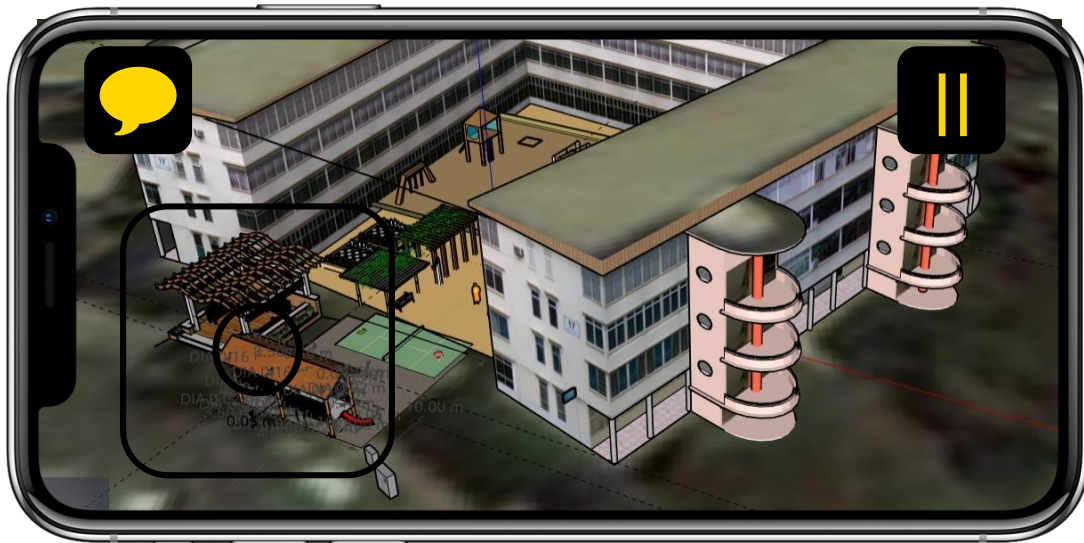
Whenever senior citizens need help, they can just reach out to the menu to contact a volunteer, who will be able to help them verbally and control their screen.

Screens are designed to be for ease of access, with various colour themes. This particular theme has been designed such that there are different colours for the senior citizens' easier accessibility.



The Socialization Area

The Voideck is a simulation of a normal HDB, where senior citizens can continue to play and enjoy their normal activities.



The buttons have been designed to be far apart to ensure that the senior citizens do not accidentally click the wrong one. The joystick is also larger to allow easier accessibility.

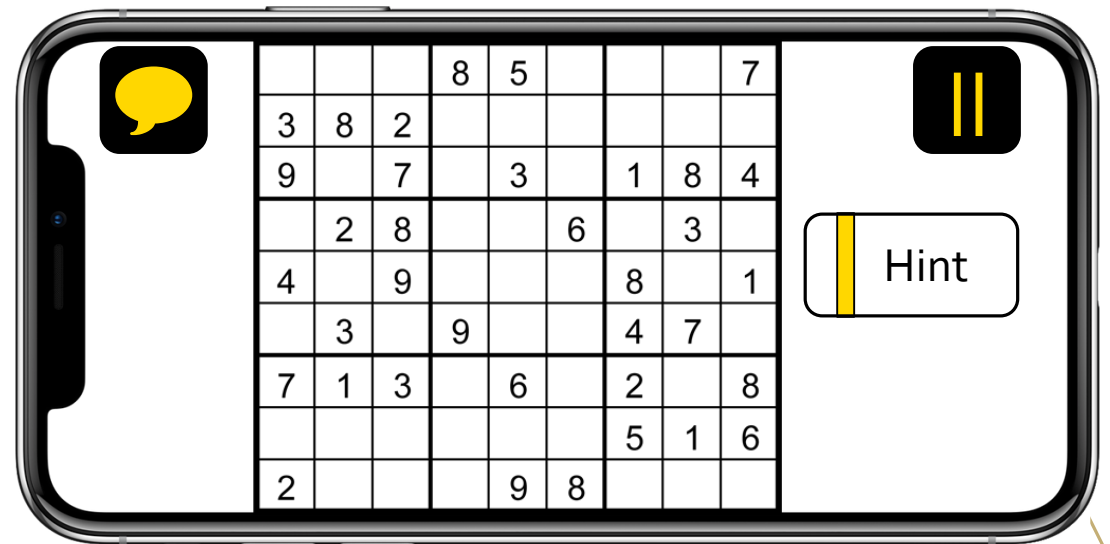


Activities

Once entering a game, the user will be in a specific area of the HDB, e.g. playing chess on benches in the Voideck.



Games will stimulate senior citizens' brains, e.g. quiz activities, jigsaw etc.



<https://koenig-media.raywenderlich.com/uploads/2018/02/Chess-01-start-480x264.png>, <https://www.mylesmellor.com/wp-content/uploads/2015/12/SudokuEasyPuzzle.png>

Activities

Non-vigorous workouts will also be available, so the senior citizen can exercise together, through suitable taichi exercises, etc.



Videos of heartlands, and our development of the place which we grow up in: HDBs, will be available to further stimulate experiences between games, acting as “travelling”.



<https://i.ytimg.com/vi/RFhclCSzrbQ/maxresdefault.jpg>, <https://mynicehome.sg/cs/Satellite?blobcol=urldata&blobkey=id&blobtable=MungoBlobs&blobwhere=1383607932767&ssbinary=true>

Our Strategic Advantage

OTHER GAME APPS

- No socialization with other citizens
- Hard to navigate user interface
- Danger might be prevalent in such games, where there is a high chance of non-active users and unethical users.
- Elderly may still be excluded from the main stream of internet

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- Creates a sense of community through location-based features
- Caters to senior citizen with a suitable user interface and easy to play games
- Allows for safe access to the internet through verification
- Gives timely information about COVID-19, spreading the message



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Helping senior citizens in Singapore curb their loneliness during the COVID-19 pandemic.

“Helping others is the
way we help ourselves”
—Oprah Winfrey

Thank You

oneytlam@gmail.com

bensze2005@gmail.com

