

PHWOOP DESIGN AND IMPLEMENTATION

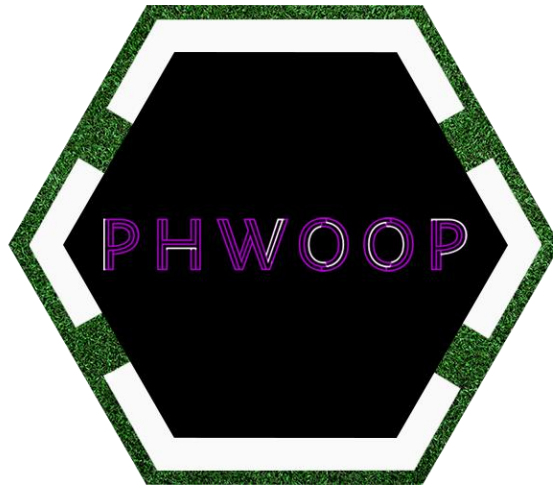
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**Personal
Hub
With
Obligation
Of
People.**

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1.1 Mission Statement



PHWOOP – Personal Hub With the Obligation Of People

PHWOOP is a self-sufficient peer-to-peer collective federation, that offers a 3Dimensional space to add, communicate and produce content as a collective in a safe, organized, virtual environment.

Everyone contains vital knowledge for our future, and each individual has unique qualities that can unite a collective, together we have the tools needed to grow as one, making the consensus of PHWOOP: Growth through open communication and sharing of knowledge.

People create the content and the content creates freedom. The freedom to open our minds, to attain help as a collective and to give individual potential to all. The more users create in PHWOOP, the better PHWOOP becomes.

“Federation based data nodding, for the preservation and evolution of knowledge”

- PHWOOP

1.2 Specification List

This specification list is designed to help give a better understanding of the main components for the project, building towards a demo of the game focusing on functionality and main requirements. The specification is broken down into “Collectives”. Collectives are communities that grow and share, with designated purposes for each collective.

VA (Visual Arts) Collective

The visual arts collective is anyone who creates or designs and calls it art. As a collective, they can open up a new connection with people beyond an exhibition giving more opportunities to work as an artist. Requirements:

- Virtual Galleries
 - A virtual space where exhibitions can be held
 - Virtual galleries can include multiple members of the collective to share, sell or debate around various forms of art in a private or open space.
- Physical Galleries
 - Making exhibitions virtual, members can organise to share a physical space offered by the collective to hold exhibitions.
 - Members can get market feedback and even sell art before setting up a physical gallery with the collective.

Food (Potluck) Collective

The food collective has a big connection to many members. The problem with society isn't that we have food shortages, but that so much food is wasted. Requirements:

- Virtual Pantry
 - Can be used only by members of your choice, from your community.
 - Add details and visual representation of your pantry and share this with your community members.
 - Members can look or send message requests to see what is available to use e.g. Forgot eggs for the cake, request eggs.
 - The virtual pantry will include a “Meal Recipe Suggester” using the contents of the pantry to help generate recipes from inventory.
- Community Gardens
 - Community gardens already exist throughout Wellington, PHWOOP can share its location and its contents.
 - Members can keep track of the life cycle of fruit and vegetables. At the end of the week, people can see the shortage and know what needs maintaining.
- Collection Routes
 - Members can add collection routes when gathering food so people can see when and where the collections are occurring.
 - If members have food to offer, they can request to be added to the route or meet them during their current route.

- Event Cycles
 - Members can see event cycles of food offering for community support e.g. Free soup every Sunday, then people can be made aware of the time and location.
 - Members can add their contributions through the collection route as a weekly cycle.

Music Collective

The music collection has a difficult time connecting. With so many musical artists and venues, this is a good way to create connections for events or collaborations. Music collective requirements:

- Members
 - Members can collaborate and share virtual music sessions.
 - Share music and instruments with inventory lists and requests.
 - Members will have access to music software such as Spleiter.
 - A random music box that generates random riffs and music for inspiration of sound.
- Exhibitions
 - Members can share multiple exhibitions, such as music and art. A virtual gallery with music created/used for that space.
- Physical Space
 - Members can offer rehearsal space with locations.
 - Venues can offer opportunities for rehearsal or events.

Horticulture Collective

The horticulture collective has a huge part to play in PHWOOP. The aim is to gather, share and promote the knowledge and wellbeing of nature through the horticulture collective to help our planet.

Horticulture collective requirements:

- Cuttings Exchange
 - Members can share the reproduction of plants by exchanging cuttings.
 - Knowledge of how to share cuttings and tools required.
- Compost locations
 - Members can have access to compost locations.
 - How to start their own compost.
 - Compost bin reader to show when a bin is full or empty.
- Take a plant, Leaf a plant
 - Users can state the location of any plant.
 - Users can upload their contributions to plants in that area.
 - Users can exchange plants and trees without cost.
- Trees that count
 - Members can offer payment or trees to anyone wanting to help plant a tree.

- Members must upload the process with proof to show the tree has been successfully planted, and they receive payment for services.

- Virtual Greenhouse
 - Members can have access to a virtual greenhouse for knowledge and learning purposes.
 - Leaf recognition can locate and identify a plant and add that knowledge to the collective database.
 - Adding location means when someone plants a tree, another member can find that tree and see who contributed and how many times it has been visited/ scanned.

- Virtual Beehive and bees
 - Virtual beehives will invoke the reality of how bees help our ecosystem.
 - For there to be plants there must be bees
 - Bees are used to helping reproduce new plants and keep the virtual ecosystem alive.

- Environmental Life Sensors
 - Members can see or upload if an area is lacking in vegetation or plant life to make it available for adding and growing new trees or plants.
 - Sensors to determine the requirements for keeping certain plants alive in various settings. E.g. if some plants need more water and there is a drought then members can be made aware.

Stores and Inventions Collective

Stores and Inventions Collective are places that provide and hold inventory. Sometimes people have a store nobody knows exists, or an invention that they do not know who to talk to about. In this collective you can share knowledge, ideas and receive help if you are already an established business. Requirements:

- Virtual Stores/Exhibitions
 - Stores can have inventory lists.
 - Exhibitions of new products.
 - Representation of their building and location.
 - Designated areas such as a virtual CBD.
 - Payments for a product.
 - Links to growing businesses and smaller stores.

- Craft Exhibitions
 - Inventions with upcoming products and ideas for market research.
 - Selling new ideas/inventions.
 - Links to potential investors through a presentation.
 - Community-based fundraising within that collective.
 - Sharing of knowledge and expertise.

Pastoral Care (Temple)

Pastoral care comes under any help required for users in the form of health and security. People can help in many ways, and this is a safe space for people to ask for help or gain more knowledge of their problems.

Requirements:

- Spirit/ Self Awareness
 - Gain spiritual help through knowledge and representation.
 - Spirit guides to help you grow on a personal level.
 - Locations of holistic health practices.
 - Yoga and meditation gatherings.
- Learning and Lectures
 - Gain access to more knowledge of caring for others
 - Offer help to those in need.
 - Mental health awareness.
 - Open-source information to help with understanding pastoral care.
 - Guidance and information on holistic health, such as stone grids, meditation techniques, and even main contributors in the holistic health community.
 - Information on different forms of debts and how people can get help with their debts.
- Connection Space
 - People can communicate and gather.
 - Virtual AA meetings.
 - One on One conversations.
 - Updates on the people around you such as how many members visit per day.
- Community Liaison
 - Designated person(s) within that community.
 - Direct contact for people who do not know what help they need.
 - Someone to guide members in the right direction.
 - Can handle responsibilities regarding funding and debts.

Home Hub

The home hub is where it all begins. Each user will have a private space when they sign up to their Hex. A place where they can shut off from the world and continue working on themselves, ideas, or just to build on their hub.

- Ad Blocker
 - The user will have added benefit of an ad blocked so they cannot be disturbed by anything or anyone.
- Community Data
 - Access to community hub data such as pantry and inventory.
 - Access to the community calendar to see upcoming or current events.
 - Access to community communications.

1.3 User Stories

VA (Visual Arts) Collective

1. As an artist, I want to showcase and sell my art.
2. I cannot find a gallery or business that will showcase my work.
3. I start a PHWOOP account to join a Visual Artist Collective.
4. I use the Visual Artist Collective to showcase my art virtually and to start promoting myself.
5. I join a community to start talking about art and why I am an artist.
6. I start to sell copies of my art through virtual exhibitions.
7. I share debates and conversations with other artists and use this inspiration to make more art.
8. I connect with someone who owns a gallery I did not know about.
9. They offer me an opportunity to hold an exhibition of my original pieces.
10. I am now a full-time artist selling online and in a gallery.

Food (Potluck) Collective

1. As an international student, I want to focus on studying and working part-time.
2. I cannot afford to live in accommodation and pay for food in the supermarket on a part-time wage.
3. I start a PHWOOP account to join a Potluck Collective and make friends.
4. I use the Pot-luck Collective to start getting to know my neighborhood.
5. I join a community to start talking about food, university, and jobs.
6. I start to find food markets on PWHOOOP to buy cheaper food.
7. I share recipes and conversations with other students to make friends.
8. I connect with people who share food Monday – Friday.
9. As a community we started potluck dinners Monday – Friday to share food.
10. I am now eating with friends five nights a week sharing food and connections while saving money.

Music Collective

1. As a musician, I want to collaborate and play in local venues.
2. I cannot find a venue or business that will allow me to play.
3. I start a PHWOOP account to join a Musical Artist Collective.
4. I use the Musical Artist Collective to showcase my music and to start promoting myself.
5. I join a community to start talking about music and why I am a musician.
6. I start to collaborate through music in virtual gatherings and group conversations.
7. I share debates and conversations with other artists and use this inspiration to make my music.
8. I connect with someone who owns a bar I did not know about.

9. They offer me an opportunity to perform one night a week.
10. I am now getting my chance to play live in front of many people every Friday night.

Horticulture Collective

1. As a gardener, I want to grow more varieties of plants in my garden.
2. I cannot find any plants in my neighborhood for my garden.
3. I start a PHWOOP account to join a Horticultural Collective.
4. I use the Horticultural Collective to start talking about growing new plants in my garden.
5. I join a community that shares plants and cuttings to re-populate their gardens.
6. I start to share plants within my community and start to grow new plants I never knew existed.
7. Some of my plants start to die and I do not know why.
8. I use the plant recognition software in PHWOOP to learn more about my plants.
9. I realise after learning, that some of my plants are being overwatered.
10. Now I know more about my garden than ever and my garden is filled with new plants that I share with my collective.

Stores and Inventions Collective

1. As a store owner, I start to get scared of the rise in business taxes and changes to laws.
2. I cannot compete with these young minds who understand modern legislation.
3. I start a PHWOOP account to join a Stores Collective.
4. I use the Stores Collective to start promoting my business and talking about my fears.
5. I start to add inventory to my PHWOOP store and people are starting to ask me how to buy my product.
6. I use PHWOOP to set up payments so I can start shipping my products to other customers.
7. I still feel scared of the new legislations and business laws.
8. So I ask for help in the Stores Collective for advice on what I can do.
9. I got advice and I am no longer afraid for the future of my store.
10. I now own 2 shops, one in the stores collective and one in the city, both are doing wonderfully.

Pastoral Care (Temple)

1. I am a yoga instructor who has lost work due to covid-19 as I can no longer hold group classes.
2. I started uploading yoga instructor videos for beginners on YouTube.
3. I feel I am losing my connection with people as I only teach to a camera.
4. I start a PHWOOP account to join the Temple.
5. I use the Holistic Collective to find local people with similar interests.
6. I realise some people are doing virtual yoga classes live straight to the community.
7. I am now too nervous to do my first group class in 3 months.
8. I go to the Temple and explain my issues and someone was able to give me the confidence I need to do my classes again.
9. I set up a virtual workspace and have gained a few new followers.
10. I have some followers on PHWOOP and some who just recently signed up, just for my class.
11. I now run 10 yoga classes a week virtually and collaborate with other holistic users in my community.

Home Hub

PHWOOP

1. I am new to PHWOOP
2. I want to create a private workspace where I can continue to connect with my community.
3. I use the Home Hub now as my private space to work on my projects and not to be disturbed.
4. When I am ready, I can share my ideas with PHWOOP for collaboration.
5. I can also see all my upcoming events as well as my community events to remind me.
6. If I want, I can still speak with my communities however it is casual conversation and I can leave my collective conversations for another time.