BIKE PATH CONNECT
CONNEXION DE PISTE CYCLABLE

What is it?

We created an app that encourages cyclists' contribution to the improvement of the current connectivity state of bike paths in Montreal. The users can input their usual or preferred trajectory to add to the data gathering of missing links in bike paths. The app is paired with five public installations which will incite the public to travel between each screen location and record the connectivity issues with the app.

How does it work?

When a user notices one of the four screens that are installed around the Montreal island, they are invited to interact with it by tapping on the desired travelled location. The screen will then display the trajectory and ask the person to download the app by using a QR code. After setting up the app, the cyclist can travel to the desired destination and comply with the missing bike path connections at the end or during their travel. This information will then be saved and will be used by the City of Montreal to deal with the connectivity issues between bike paths in Montreal.

What is new and distinctive about your project?

The interactive aspects present on the four installations differentiates itself from the current bike counters as they showcase the uncompleted reality of the city's bicycle network to the public. Those screens give quick access to the app with the help of the QR code and permit the users to directly provide their suggestions regarding those paths. The app is also paired with Google Maps to display the current bicycle paths found on the island of Montreal.

Outcomes

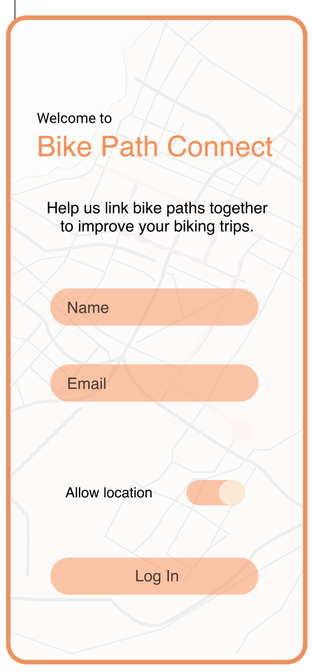
With the implication of cyclists, the main outcome of the app is the possibility to collect data, which is anonymous since the app only requires basic information such as the email and the name. The GPS feature is activated only while using the app, therefore it will not reveal nor will it be linked to a personal address. The connectivity with Google Maps allows displaying existent bike paths which cyclists might already be familiar with. The outcomes regarding the data collection illustrate what the public truly wants and is an opportunity for people to shape their city.

Application

The app that is paired with the screen allows the public to contribute to the data collection by information input.

Log In

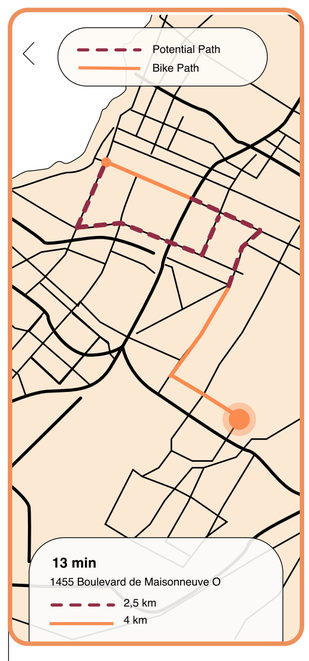
The login page is where the user can input basic information such as their name and email. The app requires the location of the individual to be activated.



Home page

The Homepage allows the user to input their desired destination as well as access the Community Maps.

Connect

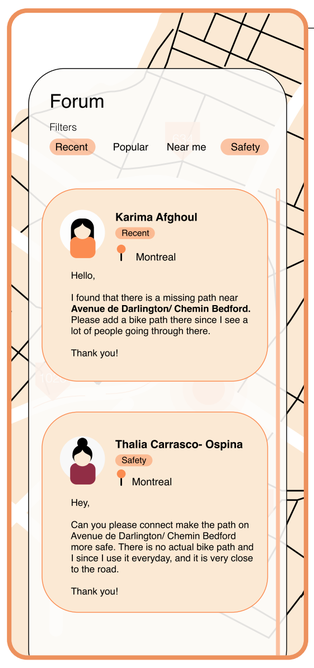


On the Connect screen, the user can see the itinerary to their destination with the missing links shown with the dashed lines.

Community Map

The Community Map showcases potential links that can be done on the bike path network.
The purpose of this feature is to collect and organize data about missing links on bike paths. The data for missing links are supplied by the suggestions of other users. According to the number of suggestions, the locations will be prioritized for change

Forum



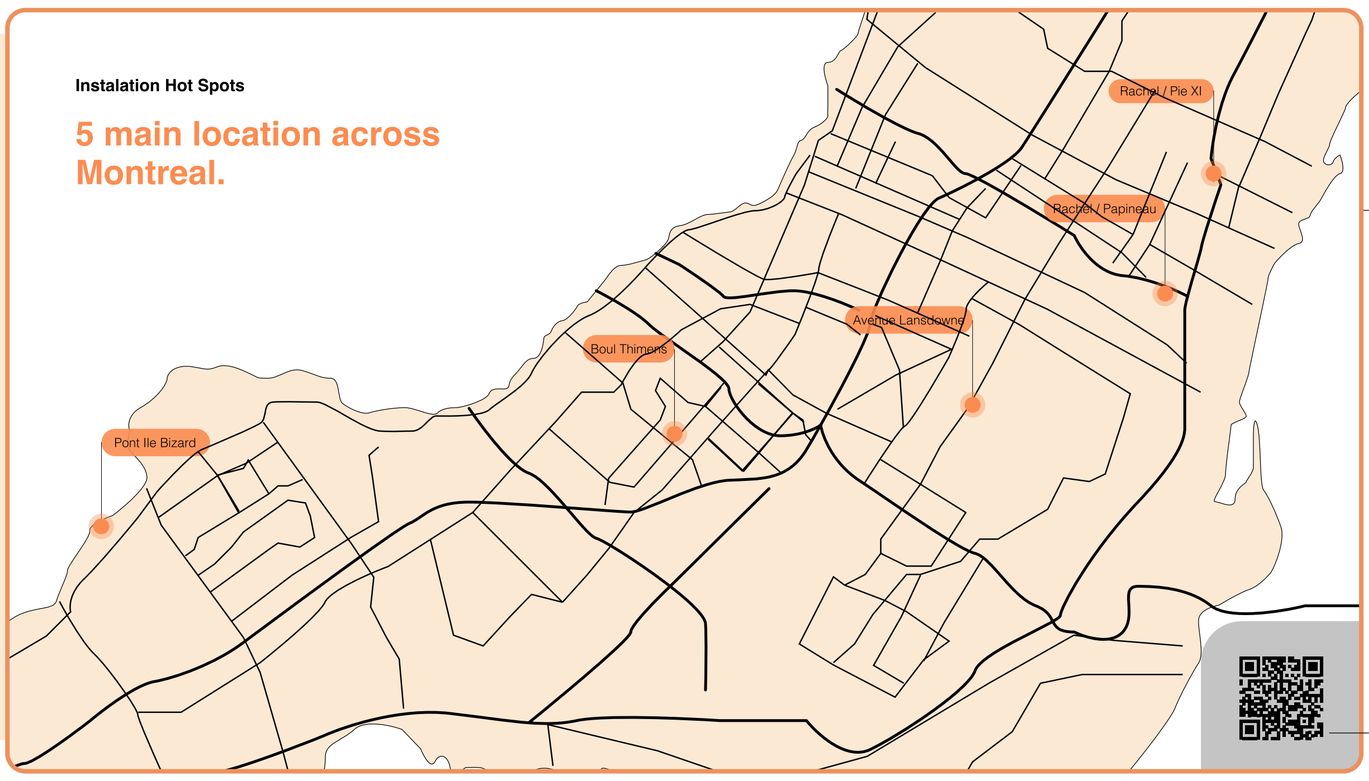
By swiping up on the Community Map screens the user can read the suggestions, comments and feedback for other individuals using the app. The display of comments is can be customized by "Recent", "Popular" "Near me", and/or "Safety".
This page gives the users a chance to interact with fellow cyclists and help to collectively improve the issues of the biking network on the island of Montreal.

Counting of Bicycles on Bike Paths

The Screen will display the 4 installation hot spots. Cyclists can choose to travel to those different locations and click start and supply the data collection.

The open data that we used for this project was the counting of bicycles on bike paths, which was published by the City of Montreal.

The data allowed us to have an idea about the most used paths on the island of Montreal. We chose the ones that are close to a resting area or a park for users to interact with the screens without disrupting the other cyclists on the path. This led us to select the five-screen locations.



Screen Instalations

The QR code will be displayed on the screens and invites anyone to scan it. This will give access to the app for download where the user can start their data input.

It will also invite the public to download the app to continue to contribute and have the map as well as other features.

4 Sustainable Development Goals

Since we based our idea around the issues regarding the bike path network in Montreal, 4 sustainable goals apply the most. Bike Path Connect promotes a sustainable way of transportation that contributes to good health not only for the individuals but also for the community. The display of open data in the form of a public installation that as well as increases the sustainable status of the city. By improving the connectivity of bike paths on the island, we can encourage citizens to make more responsible choices rather than transportation.

For **CITÉSTUDIO** Inovative Project

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