

ImInfo (Group 5): Redesign Rational & Prototype Illustrations

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After receiving feedback and analyzing our lo-fi prototype, we have decided to make some improvements and changes to our public information kiosk. Since the completion of our lo-fi prototype, we have considered the idea of implementing an option for voice narration to aid users who are visually disabled. While this feature is a solution to one of the problems presented within our walkthroughs regarding users who may have trouble using our kiosk due to a visual disability, we have come to the conclusion that the voice narrative feature will not be added. Additionally, we will be implementing a few new features to our kiosk. To begin with, we will be adding a feature that will allow users to create and log in to their own accounts any time they access our kiosk. Secondly, we will implement an option for users to be able to print out select information that is presented on the kiosk screens.

Having a voice narrative feature is beneficial in the aspect of wanting our kiosk to be readily available for anyone who needs help. This includes those who have visual disabilities that will make reading and using our kiosk difficult. However, we have decided to discard the idea of adding a voice assistant feature due to a few reasons. First, our kiosks are located in various public areas and many of these areas will have varying environments. Having a voice narration being used by a user within a noisy environment is counterintuitive. If the user cannot hear the narration, then the feature is essentially useless. Realistically, those with limited vision will most likely have a primary reliable source of aid to turn to when they require assistance, such as a family member or another person accompanying them. Therefore, the accompanying person will be able to use the kiosk in their stead. In such cases that the person is traveling alone, a kiosk will not be their primary source of aid as they would most likely ask for aid from those around them instead. As we continued to discuss possible solutions, we found that this commitment included a fairly large scope. This would mean having to implement additional features such as voice recognition to the system to assist those who are blind and traveling alone who wish to use our

kiosk. Referring back to the idea of wanting the kiosk to be inclusive of every type of user, we found that it was just not possible to do so in reality.

We have taken into consideration some of the most prominent suggestions we have received regarding our system functionalities. With the feedback, we have decided to implement a feature that will allow users to create an account by requiring the user to provide a username and password of their choice. However, the system will provide a guest option for users to be able to use our kiosk if they do not have an account or choose not to create an account. Once an account is created, the user will be able to log in to any kiosk with their username and password. This will allow the system to save the state of when the user logs out. Which means the next time the user logs into the kiosk, they will be able to continue where they left off. This feature will be especially handy when using the map application for directions since the map updates to display new information depending on the location of the kiosk being used. The kiosk will provide a log out button on the main screen for when users have completed their tasks. If the user does not log out of the kiosk themselves, then the system will automatically do so after 30 seconds of inactivity. Additionally, we will be implementing an option for the user to print select information that is too long or difficult to remember. This includes but is not limited to: directions, requirements for renewing or applying for important documents, and events or attractions information and details. Therefore, if users do not have a smartphone with them to take pictures of the kiosk screen, they have the option to print certain information or directions right from the kiosk.

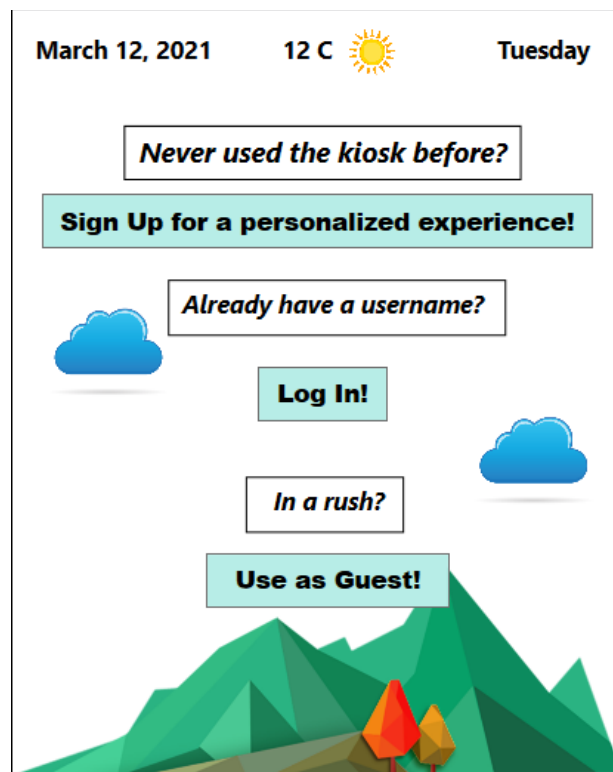
Along with the addition of the above discussed new implementations, the main screen, application screens, and main functions will be implemented as planned and designed from our final lo-fi prototype. To conclude, we have provided a screenshot of each of our kiosk screens from our horizontal prototype below.

Horizontal Prototype Screen Illustrations


Welcome Screen:



Select Login Option Screen:



Signup & Login Screen:

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Please enter your username:

Tap here and type your username

Please enter your password:

Tap here and type your password

Log In!

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Please enter a username:

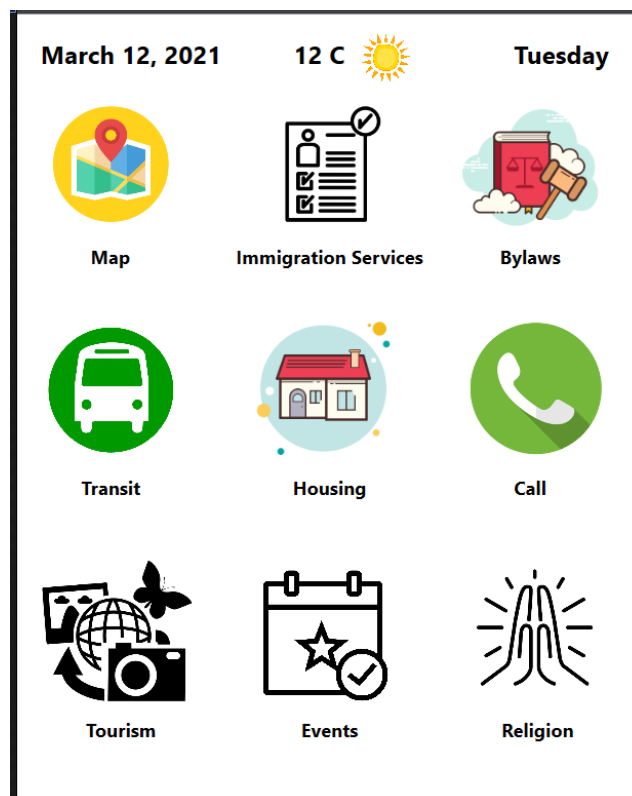
Tap here and type a random username

Please enter a password:

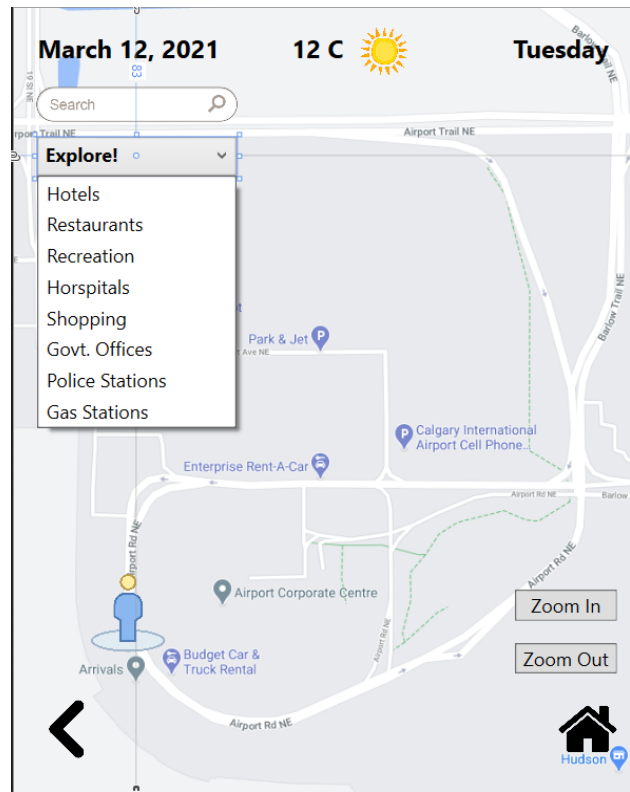
Tap here and type a password you can remember

Sign up!

Main/Home Screen:



Map:



Immigration Services:

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Documents you must prepare

1>Study Permit

2>Health Card

3>-----

Documents we recommend

1>-----

2>-----

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Select your status in Canada

Skilled Worker

Student


Tourist

Permanent Resident

Citizen

Sponsored

Refugee


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Health Card


An Alberta health care card is a piece of government-issued identification that gives eligible residents of Alberta access to medical services.

To receive these services, you just need to show your Alberta health care card and photo identification at a licensed medical office.



Documents You'll Need to Bring


Government Issued Photo ID.


Pre-Filled Form: [Print](#)


Proof you are allowed to live in Canada

Where to get: [Alberta Registry Locations](#)

Bylaws:

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Addresses


Garbage


Littering


Cannabis


Smoking


streets


Water


Noise


Parks\Pathways

[View more](#)

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Tuesday

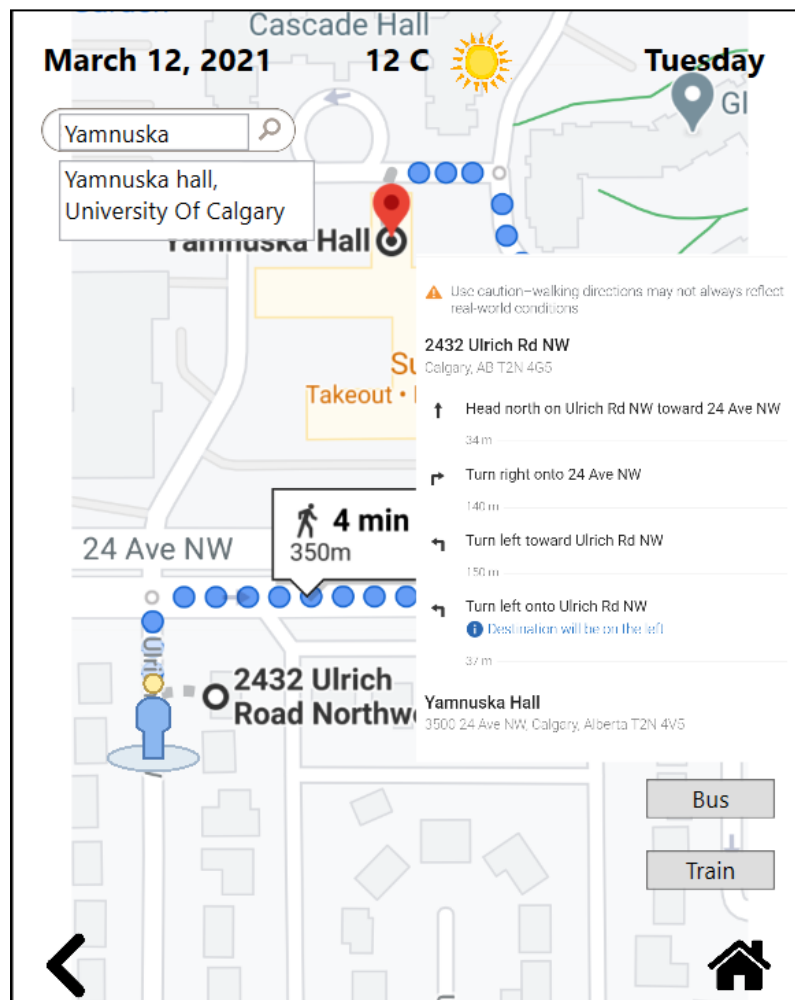
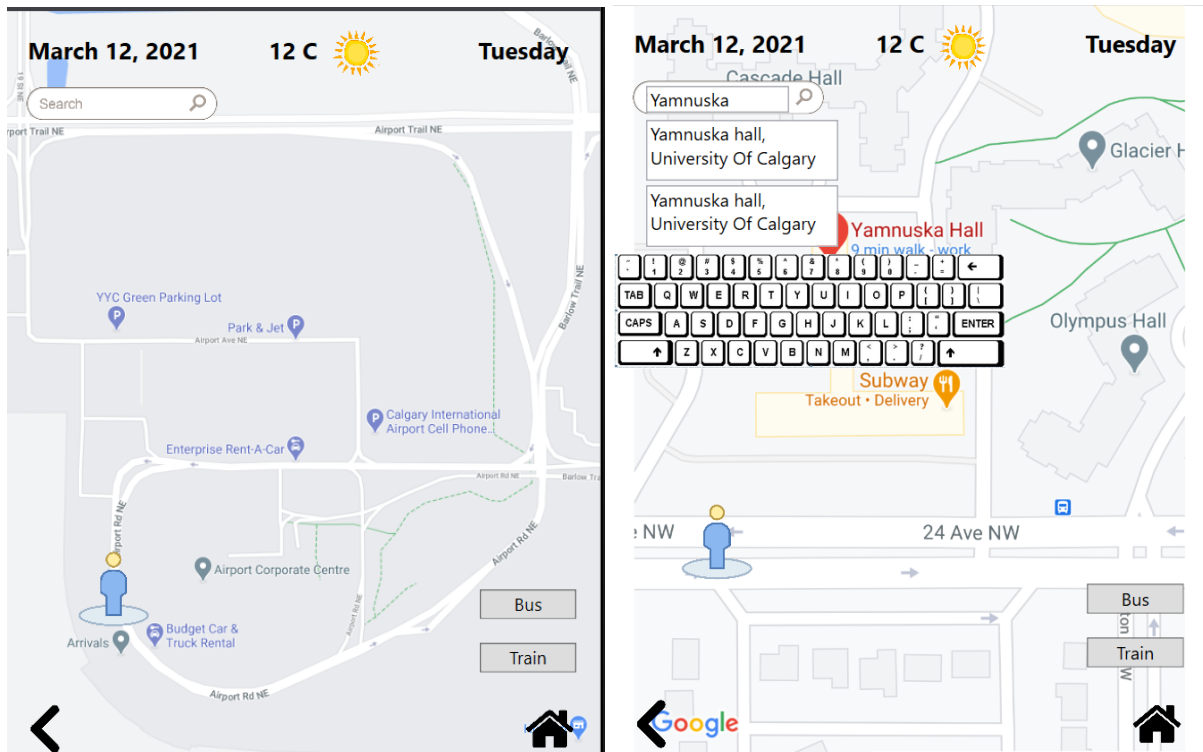
ByLaws related to littering

- Improper disposal of burning material will result in higher fine.
- Waste must not be disposed off on public property aside from in a bin
- Fines: \$500 - \$1000

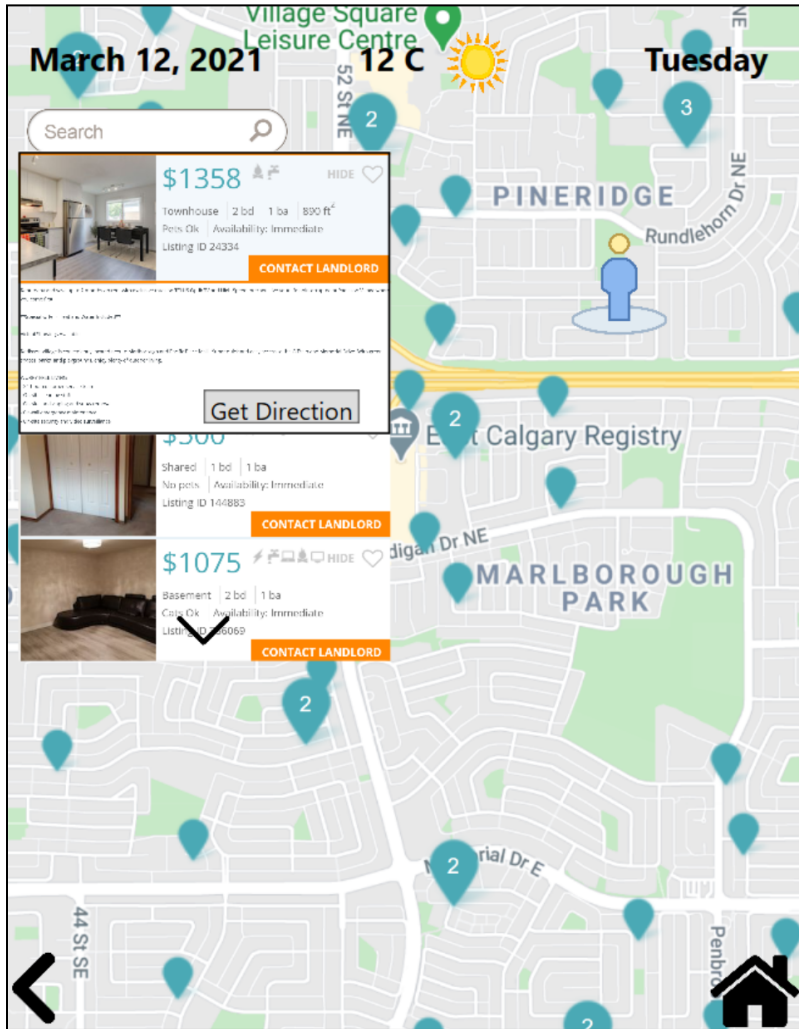

QR
Scan to read more



















Transit:




Housing:



Call:

| | |
|---|---|
| <div>March 12, 2021 12 C  Tuesday</div> <div><div>Personal - Paid</div><div>Emergency - Free</div></div> <div> </div> | <div>March 12, 2021 12 C  Tuesday</div> <div>Choose payment method</div> <div><div>Cash</div><div>Debit/Credit Card</div></div> <div> </div> |
| <div>March 12, 2021 12 C  Tuesday</div> <div>Insert Coins/Bills into the slot:</div> <div> Or </div> <div>Charges: 35 Your Talk time: 4 mins</div> <div>Press <div>OK</div> When Done</div> <div> </div> | <div>March 12, 2021 12 C  Tuesday</div> <div></div> <div>Pick up the headset</div> <div> </div> |

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X

123

456

789


*0#


Call

Cancel

Don't forget to collect change (if any) when you leave

<





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Call duration

02 min 33 sec

<



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Call Charges

\$3.25


Collect change!

Press

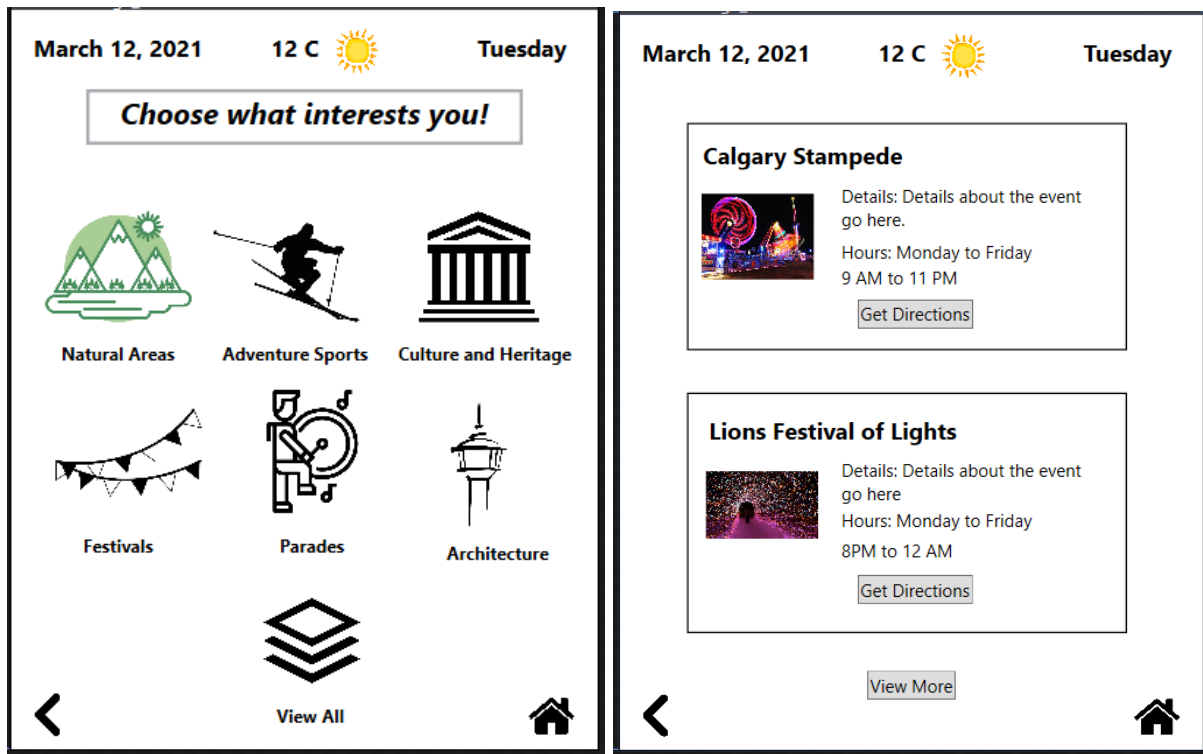
OK

When done

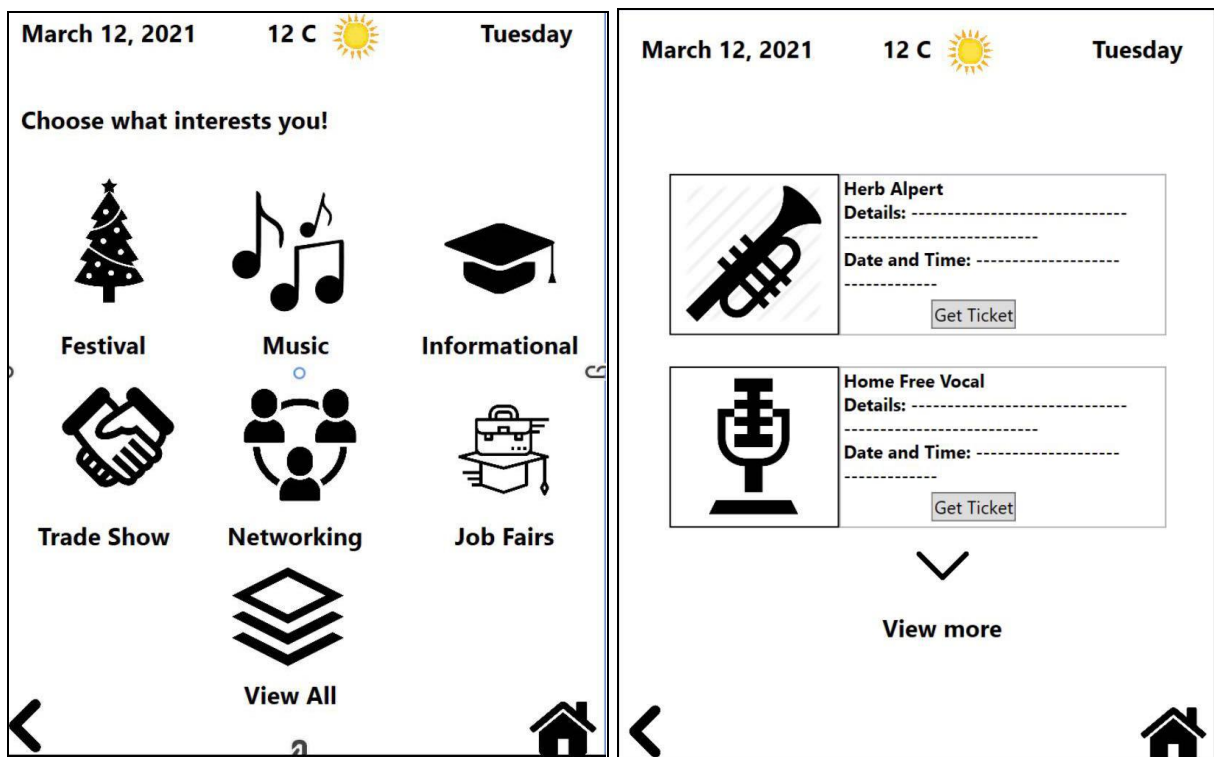
<

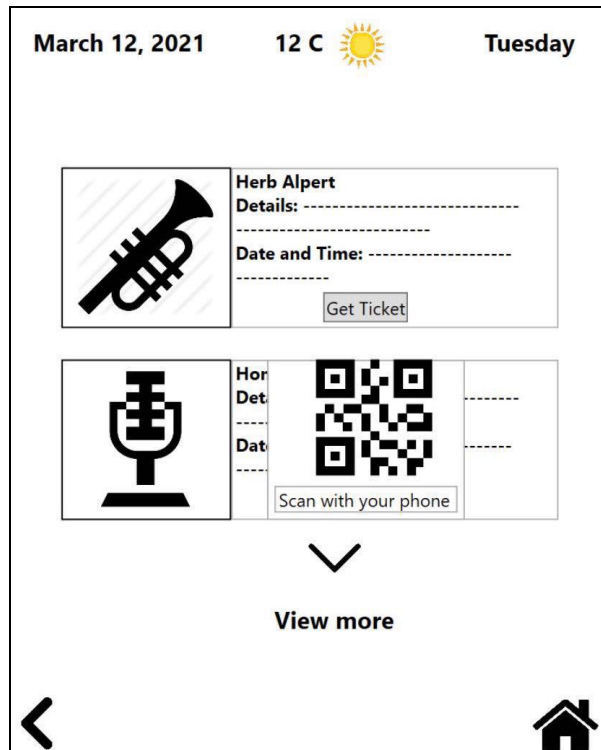


Tourism:



Events:





Religion:

