



# Application Definition Statement

A concise, concrete declaration of the app's main purpose and its intended audience

## Purpose or Main Intent

*A web and mobile application that helps you find the bus in real time. So instead of waiting for the bus you will know exactly if it came or not.*

## Description of Intended Audience

*A city commuter most likely varies from 16-70s pretty much any one who would like to take a bus. This will let them know if the bus is running late, or if it stopped at that stop already.*

## Core Functionality

*Allows users to see where there bus is and where it's going to be instead of guessing where its going to be. Updates you in real time where exactly your bus is or where its going.*

## Feature Set

- *Search for the bus you need.*
- *Filters search by:*
  - *Time*
  - *Destinations (Where you are- or- where your going.)*
  - *Date*
- *(Mobile) – Lets you check in the bus so other users can better know if the bus left their stop already.*
- *Forum where people can post questions and answers on the status on the bus to better help the users.*

## Nice to Have

- *Ability to use your social networks to contact people through the app.*
- *Share through social networks.*

## Primary Persona

### Jimmy Schroeder



“Finally an app that lets me know if the bus I am taking came early or running late. So simple and easy to use. Thank you sweet baby Jesus.”

Jimmy works in the city at the CBS station and relies on the bus system to get to work on time. Jimmy is fairly Tech savvy so he knows how to use applications and anything in our current generation. His only complaint was that he can never find the information he needs to know if he needs to go to plan B if the bus already passed him.

Characteristics	Influencers	Pain Points
Age: 22 Education: College / Admin Job Title: Runner Tech Familiarity: Medium Tech Usage: Daily Platform: Mac/ HTC Phone	<ul style="list-style-type: none"> <li>• <i>A heavy user of public transportation.</i></li> <li>• <i>A simple experience in finding information about the desired bus.</i></li> </ul>	<ul style="list-style-type: none"> <li>• <i>Lack of real time tracking on the bus.</i></li> <li>• <i>Lack of GPS tracker on the bus.</i></li> </ul>

### Scenarios

#### Primary Goal:

Finding detailed information on his bus.

Jimmy opens chrome on his laptop to find a bus that suits him for his upcoming trip. If not on his laptop he will use the mobile application. He logs in and does a basic search on what busses are available. Once the results come up he searches for the bus that best fits his schedule. He then clicks more info to see if the bus is a reliable one according to what the people in the forums rate it. He sees that this bus has a bad rating so he chooses one that best suits him.

#### Secondary Goal:

List secondary goal persona is trying to accomplish (if applicable)

Once he chooses the bus he wanted he sees if the bus is running late or departed earlier than usual. This information lets jimmy plan his day better according to the information he just got.

## Secondary Persona

### Mary Jane



“I Just need to go in and see where it is and then go about my day”

Mary is a business professional that doesn't like to drive so she uses public transportation. She just wants to see where the bus is and how long it will take till it gets there. She also doesn't like re checking the same information more than once.

Characteristics	Influencers	Pain Points
Age: 40 Education: Masters Job Title: business woman Tech Familiarity: Basic Tech Usage: Daily Platform: Windows / iPhone	<ul style="list-style-type: none"> <li><i>Liked that there where notifications on where the bus of her choosing is.</i></li> <li><i>Likes that It is easy to use.</i></li> </ul>	<ul style="list-style-type: none"> <li><i>Incomplete information on a bus.</i></li> <li><i>No Definite real time GPS tracker for all busses.</i></li> </ul>

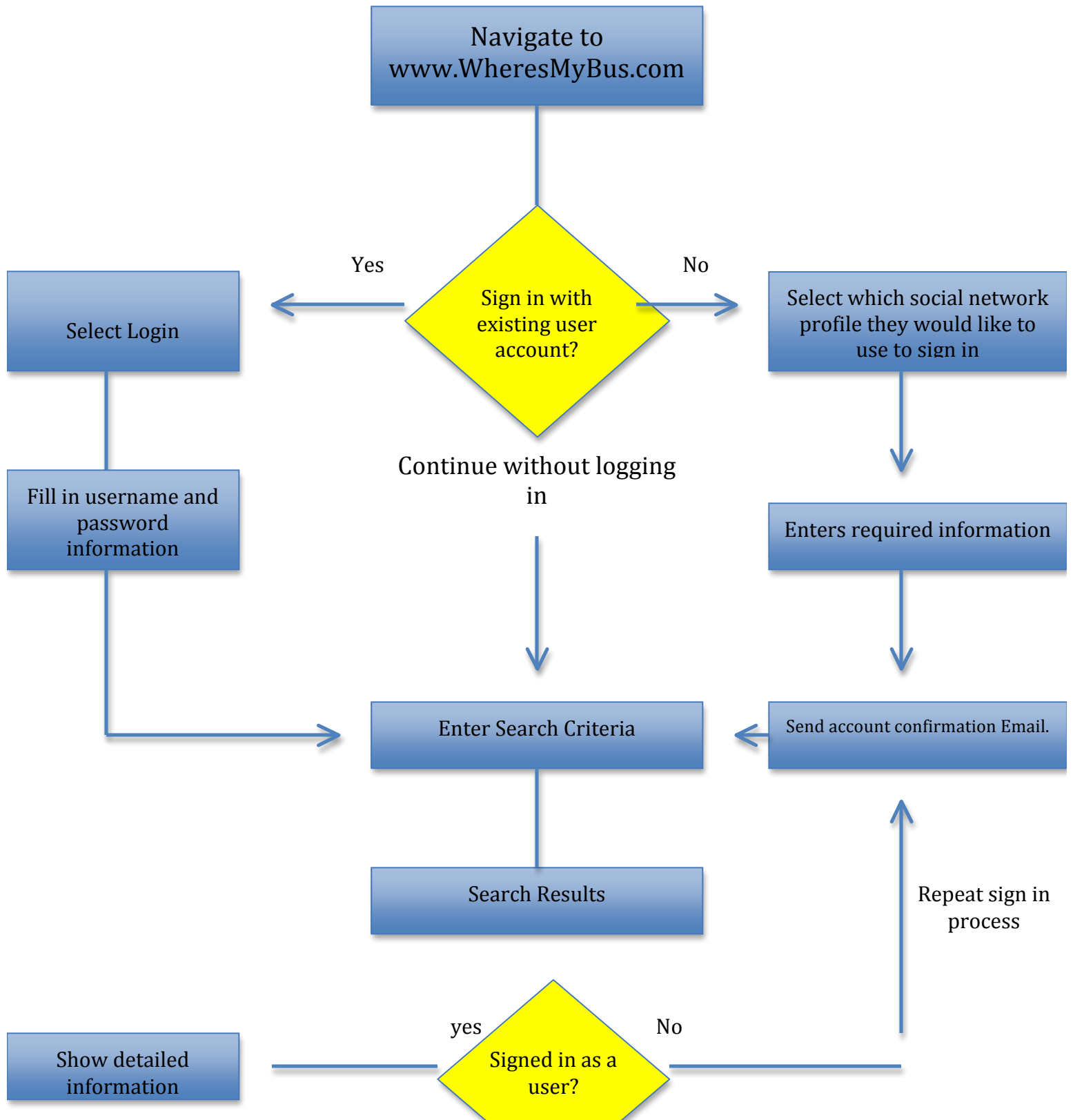
### Scenarios

#### Primary Goal: Finding the Bus

Mary opens up her laptop in the morning while she's getting ready and goes to the website. She doesn't have time to sign up so she uses the basic version. She inputs the information needed to find the best bus for her trip. Her search results come back with ratings on the bus and basic information and she sees which one is better for her.

#### Secondary Goal: Seeing where the bus is.

She clicks details on the bus but it prompts her that she needs to be logged in to see more details of the bus. She logs in and it gives her a full description on the bus of her choice. It gives her real time information from the amount of data collected by the users who checked in with their mobile app. New information is brought in and gives her an estimate on how long this bus will take to get to her stop.





# Use Case Diagram

*Insert use case diagram created in OmniGraffle.*



# Heuristics Evaluation Sheet

Pick a similar web app and evaluate the design.

Heuristic	Nj Transit.
<b>Visibility of app status</b> Does the app keep users informed about what is going on, through appropriate feedback?	<i>Yes. It lets new users know that they signed in successfully. Shows a loading signal when they search for something.</i>
<b>User control &amp; freedom</b> Users often choose app functions by mistake and will need a clearly marked "emergency exit." Does the app contain safe exploration features? (back, cancel, undo)	<i>Yes this app definitely has an escape button just incase they would like to start over or change their minds upon signing in.</i>
<b>Error prevention</b> Does the app eliminate error-prone conditions and present users with a confirmation option?	<i>Yes. When users input there information and it turns out to be wrong the page will tell it and help the user on how to correctly put in the information</i>
<b>Consistency &amp; Standards</b> Users should not have to wonder whether different words, situations, or actions mean the same thing.	<i>The site is built to help you not wonder of to any other things. It doesn't have a nav considering it is a very simple tool to use.</i>
<b>Recognition rather than recall</b> Minimize the user's memory load by making objects, actions, and options visible.	<i>Both sites are designed the same just the mobile version will be vertically stacked and a bit bigger for easier to read purposes.</i>
<b>Flexibility &amp; efficiency of use</b> Reduce the number of steps required by anticipating user needs and enabling customization.	<i>Pretty much everything is very flexible upon when entering information on the form.</i>
<b>Aesthetics &amp; screen design</b> Screens should not contain information which is irrelevant or rarely needed	<i>The screen design of the site fits the different devices that would be signed into it.</i>
<b>Help users recognize, diagnose, &amp; recover from errors</b> Error messages should be expressed in plain language precisely indicating the problem and solution	<i>Error messages and everything else you need to fix the problem is explained thoroughly and if needed any more assistance on the subject it offers you to call or email the tech crew.</i>



# Heuristics Evaluation Sheet

A method for conducting quick and easy, low cost evaluations of user interface designs. Pick a similar service and evaluate its design.

Heuristic	
<b>Add your own Heuristic</b> If the App can be evaluated using another heuristic, feel free to add to this list.	
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