Project Order A Car
Software Requirements Specification
CEN 3031, Fall, 2019

Modification history:

Version	Date	Who	Comment
v0.0	10/7/19	Nicholis Wright	Readme created.
v0.1	10/7/19	Owen Rose	How to pull and push to master branch text created.
v0.2	10/19/19	Jana Grunewald	Prototype Video 1 has been created. https://youtu.be/nQOjyDzGnyU
v0.3	10/21/19	Nicholis Wright	Readme updated.
v0.4	10/23/19	Jana Grunewald	Package has been renamed to MetalPandasCarApp
v0.5	11/9/19	Odalys Martinez-Villa	Prototype 2 video has been created. https://www.youtube.com/watch?v=phqiKVj4hic&feature=youtu.be
v0.6	12/2/19	Odalys Martinez-Villa	Final Video has been created. https://youtu.be/MwK8OBSgO2U
v0.7	12/5/19	Odalys Martinez-Villa	Readme updated.
v0.8	12/5/19	Kathryn Campo	Summary.txt was created.
v0.9	12/5/19	Jana Grunewald	Helped finish summary.txt
v0.10	12/5/19	Nicholis Wright	Helped finish summary.txt
v0.11	12/5/19	Jana Grunewald	GIF of the program was created.
v1.0	10/7/19	Owen Rose	The basic login page for the GUI was made. There is a login button with a username and password field for the credentials. There is also a CSS file to be used later.

v1.1	10/7/19	Jana Grunewald	Added CSS to the login page. There is now a background and the words have placeholder styles until a theme is decided on.
v1.2	10/10/19	Jana Grunewald	Changed the label for the username to accept an email address as well.
v1.3	10/10/19	Jana Grunewald	CSS is changed for the login page. You can now read the Title, and a box is provided around the username and password options.
v1.4	10/10/19	Jana Grunewald	Login button switches screens to the home page, but it does not matter if there are credentials inputted.
v1.5	10/11/19	Owen Rose	Sign up button is added and it will switch screens to the sign up page.
v1.6	10/11/19	Owen Rose	Login button will not work without credentials. Error message pops up if information is wrong/not entered.
v1.7	10/15/19	Jana Grunewald	Username/Email field is changed to just email. The email is the username.
v1.8	10/22/19	Nicholis Wright	Updated Font.
v1.9	10/22/19	Jana Grunewald	CSS was changed. Trying to fit the theme better. Font was updated.
v1.10	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v1.11	12/3/19	Owen Rose	Created error popup windows on the Login.
v2.0	10/7/19	Kevin Mak	Initial database was added. No functionality between GUI and the database.
v2.1	11/2/19	Kevin Mak	Database has user input. Needs credentials to log in.
v2.2	11/20/19	Kevin Mak	Adds the sign up information to the database which will allow you to log in

			using the credentials. Uses the last submission ONLY.
v2.3	12/5/19	Kevin Mak	Database is connected to almost all pages for the passenger side.
v3.0	10/7/19	Jana Grunewald	The home screen for the GUI was made. There is no functionality between the login button and the home screen yet. In the process of adding a menu option for profiles, favourites and nearby drivers/passengers.
v3.1	10/10/19	Jana Grunewald	Added a side menu option to the home screen. Trying to get the menu to hide unless the button is pressed.
v3.2	10/10/19	Jana Grunewald	Added CSS to the home page. There is now a background and the words have placeholder styles.
v3.3	10/10/19	Jana Grunewald	Side menu was created. The menu is open by default. Will need to fix this bug and add more functionality to the menu later.
v3.4	10/11/19	Jana Grunewald	Side menu has buttons along with a profile picture. There are buttons to go to their profile, favourite routes and a logout button which will return you to the login page.
v3.5	10/11/19	Jana Grunewald	The home page background has been changed. The background for the side menu has also been changed.
v3.6	10/22/19	Nicholis Wright	Updated Font.
v3.7	10/22/19	Jana Grunewald	CSS was changed. Trying to fit the theme better. Font was updated.
v3.8	10/29/19	Jana Grunewald	Added a web viewer to the home page to access google maps.
v3.9	10/29/19	Jana Grunewald	Home page menu is hidden until the menu button is pressed.

v3.10	11/3/19	Kathryn Campo	Added a schedule event on the home page. Changed the home page background image.
v3.11	11/4/19	Jana Grunewald	Changed the home page background image.
v3.12	11/3/19	Kathryn Campo	Updated the Dark, Light, and original home pages. Added 3 choice boxes for the time and a date picker for the date. Updated the background and page layouts as well.
v3.13	11/9/19	Odalys Martinez-Villa	Added functionality to Homepage, Payment and AddPayment screen's buttons to go back and forth between screens.
v3.14	11/14/19	Jana Grunewald	Schedules button was added. This leads the user to their scheduled appointments.
v3.15	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v3.16	12/1/19	Jana Grunewald	Hard coded destinations and drivers for users to add to their favourites table.
v3.17	12/3/19	Owen Rose	Created error popup windows on the home page.
v4.0	10/10/19	Jana Grunewald	Added CSS to the sign up page. There is now a background.
v4.1	10/11/19	Odalys Martinez-Villa	Sign up page was added. This is where users will enter their first name, last name, email, if they are a driver or passenger, age, phone number and address to sign up for the service.
v4.2	10/15/19	Odalys Martinez-Villa	Added password fields. One for the password and one to reenter the password.
v4.3	10/19/19	Jana Grunewald	Added address and country fields to the sign up page.

v4.4	10/21/19	Jana Grunewald	Gender and I am a choice boxes are populated. Under gender, you have 4 options: Female, male, non-binary, or metal panda. Under "I am a" you have 2 options: driver or passenger.
v4.5	10/21/19	Jana Grunewald	Edit button on profile picture for the sign up page now opens your files folder and will replace the profile image with the new one you select. There is no syncage across the whole app.
v4.6	10/22/19	Nicholis Wright	Updated Font.
v4.7	10/22/19	Jana Grunewald	CSS was changed. Trying to fit the theme better. Font was updated.
v4.8	11/5/19	Jana Grunewald	Date picker has been updated to be drop down menus for day and month. Then a text field for the year.
v4.9	11/14/19	Jana Grunewald	Changed the CSS for the combo boxes.
v4.10	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v4.11	12/3/19	Owen Rose	Created error popup windows on the Sign up page.
v5.0	10/10/19	Jana Grunewald	Added CSS to the profile page.There is now a background and the menu bar is displayed.
v5.1	10/17/19	Nicholis Wright	Profile page was created. This is where users will go to view their profile info.
v5.2	10/17/19	Nicholis Wright	Various buttons and fields were added along with labels where the user will be able to see their profile information.
v5.3	10/19/19	Jana Grunewald	Added CSS to the profile page. There is an update button, and there is a coloured background behind the words.

v5.4	10/21/19	Jana Grunewald	Font was changed on the Profile page and the fields were moved more to the right to see the background.
v5.5	10/22/19	Nicholis Wright	Updated Font.
v5.6	10/22/19	Jana Grunewald	CSS was changed. Trying to fit the theme better. Font was updated.
v5.7	10/26/19	Jana Grunewald	Added 2 buttons on the Profile page. This allows the user to switch from panda mode to either light or dark mode. I do not know how to get the modes to sync across all pages yet.
v5.8	10/29/19	Jana Grunewald	Profile menu is hidden.
v5.9	11/9/19	Odalys Martinez-Villa	Added code to update the database in the profile page whenever a user wants to edit their information. Edited profileController.java and DatabaseDriver.java
v5.10	11/14/19	Jana Grunewald	Schedules button was added. This leads the user to their scheduled appointments.
v5.11	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v6.0	10/10/19	Jana Grunewald	Added CSS to the edit page. There is now a background and the menu bar is displayed.
v6.1	10/11/19	Jana Grunewald	Edit page is just like the sign up page. The sign up button changed to "Done!"
v6.2	10/19/19	Jana Grunewald	The birthday field has been removed from the edit page. Added in address and country to the edit page.
v6.3	10/21/19	Jana Grunewald	Edit page was updated to look like the sign up page. Button is changed to "Update!"

v6.4	10/21/19	Jana Grunewald	Edit button, on the edit profile page, picture for the sign up page now opens your files folder and will replace the profile image with the new one you select. There is no syncage across the whole app.
v6.5	10/22/19	Nicholis Wright	Updated Font.
v6.6	10/22/19	Jana Grunewald	Edit button now has CSS.
v6.7	10/22/19	Jana Grunewald	CSS was changed. Trying to fit the theme better. Font was updated.
v6.8	10/23/19	Jana Grunewald	Choice boxes on the edit page are populated.
v6.9	11/14/19	Jana Grunewald	Changed the CSS on the combo boxes.
v6.10	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v6.11	12/5/19	Kevin Mak	The update page fills the boxes with information from your profile
v7.0	10/10/19	Jana Grunewald	Added CSS to the favourites page. There is now a background and the menu bar is displayed.
v7.1	10/15/19	Kathryn Campo	Tab Pane for favourite drivers and locations has been inserted into the page. Need the database to populate the information.
v7.2	10/22/19	Nicholis Wright	Updated Font.
v7.3	10/22/19	Jana Grunewald	CSS was changed. Trying to fit the theme better. Font was updated.
v7.4	10/29/19	Jana Grunewald	Favourites menu is hidden.
v7.5	11/14/19	Jana Grunewald	Schedules button was added. This leads the user to their scheduled appointments.

v7.6	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v7.7	12/2/19	Kevin Mak	Favourites table now populates using hard coded information on the home page.
v8.0	10/22/19	Jana Grunewald	Forgot Email page and CSShas been created.
v8.1	10/22/19	Owen Rose	Forgot Password page and CSS has been created.
v8.2	10/22/19	Nicholis Wright	Updated Font.
v8.3	10/22/19	Jana Grunewald	CSS was changed. Trying to fit the theme better. Font was updated.
v8.4	10/23/19	Jana Grunewald	Forgot pages background image was changed.
v8.5	10/23/19	Owen Rose	Edited the forgot pages to allow different texts to appear when a phone number or email is entered into the text fields.
v8.6	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v8.7	12/3/19	Owen Rose	Created error popup windows on the forgot pages
v9.0	10/25/19	Jana Grunewald	Put all CSS into one file. Added 2 new CSS files: darkTheme.css and pandaTheme.css.
v9.1	10/26/19	Jana Grunewald	Added another CSS file: lightTheme.css. Added 2 more FXML files: darkProfile.fxml, lightProfile.fxml.
v9.2	10/27/19	Jana Grunewald	Added dark fxml files and controllers, and light fxml files and controllers. Trying to get the theme to register across the whole GUI instead of only on one screen.

v9.3	10/28/19	Jana Grunewald	GUI now recognises the dark and light modes across all pages. Buttons have the appropriate logos for the different themes.
v9.4	12/1/19	Jana Grunewald	Light theme is now consistent and it's own theme.
	10/29/19	Kathryn Campo	Updated my login information.
v10.0	11/8/19	Nicholis Wright	Added Payment screen with buttons and fields
v10.1	11/8/19	Nicholis Wright	Added update/add payment method with buttons and fields
v10.2	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v10.3	12/3/19	Owen Rose	Created error popup windows on the Payment page
v11.0	11/8/19	Owen Rose	Added a reset password page allowing a user to input a verification code that is "sent" to their phone number and reset their password to "Password1". Edited the forgot password page for when the confirm button is pressed, and the correct information is entered, it will switch to this new page. Added a back button to go back to the login page once the password is reset.
v11.1	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v11.2	11/18/19	Owen Rose	Edited the new reset password page, this allows the user to enter a new password and confirm it to change their password to log in.
v11.3	12/3/19	Owen Rose	Created error popup windows on the reset password page.
v12.0	10/13/19	Kathryn Campo	Added a rating page.

v12.1	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated. ControlsFX didn't work for everyone, so we used random shapes for now to adjust the rating.
v12.2	11/18/19	Kathryn Campo	Edited rating page due to issue with controlsfx.
v12.3	11/20/19	Kathryn Campo	Rating page shapes function as buttons to store to the database.
v13.0	11/14/19	Jana Grunewald	Appointments page was added. This allows you to see what pickups you have scheduled.
v13.1	11/17/19	Jana Grunewald	There were some issues with the database acting up, so I redid the page. Dark theme was updated.
v13.2	12/2/19	Kevin Mak	Uses information entered from the schedule page to add to the appointments page
v14.0	11/20/19	Nicholis Wright	Add payment page created.
v14.1	11/22/19	Jana Grunewald	Background picture and css for the page was updated.
v14.2	12/3/19	Owen Rose	Created error popup windows on the Add Payment page.
v15.0	11/20/19	Kathryn Campo	Schedule page created.
v15.1	11/22/19	Jana Grunewald	Background for the schedule page was updated.
v15.2	11/25/19	Jana Grunewald	Changed the month, day, hour, minute and AM or PM to combo boxes instead of choice boxes.
v15.3	12/3/19	Owen Rose	Created error popup windows on the Schedule Page.
v16.0	12/5/19	Jana Grunewald	Driver side of the program was added. This consisted of edit, home, profile,

			rating, schedule and car information pages.

Team Name: Metal Pandas
Team Members:

·   Kathryn Campo kcampo1335@eagle.fgcu.edu

·   Jana Grunewald jrgrunewald5184@eagle.fgcu.edu

·   Kevin Mak kmak9099@eagle.fgcu.edu

·   Odalys Martinez-Villa omartinezvilla7769@eagle.fgcu.edu

·   Owen Rose ojrose8935@eagle.fgcu.edu

·   Nicholis Wright ngwright3574@eagle.fgcu.edu

Contents of this Document
Introduction

·   Software to be Produced

·   Definition, Acronyms, and Abbreviations
Product Overview

·   Assumptions

·   Use Case Diagram

·   Use Case Descriptions

Specific Requirements

SECTION 1: Introduction
<u>Software to be Produced:</u>
- ● This software will allow users to login and register for car rides to and from their destination. Users will input their name, email address and phone number for confirmation and easy communication access to their profile. Users will also be allowed to put in their preferred method of payment, destination, and schedule rides. The software will display maps, estimated time of arrival, and availability of drivers around their area to the users.

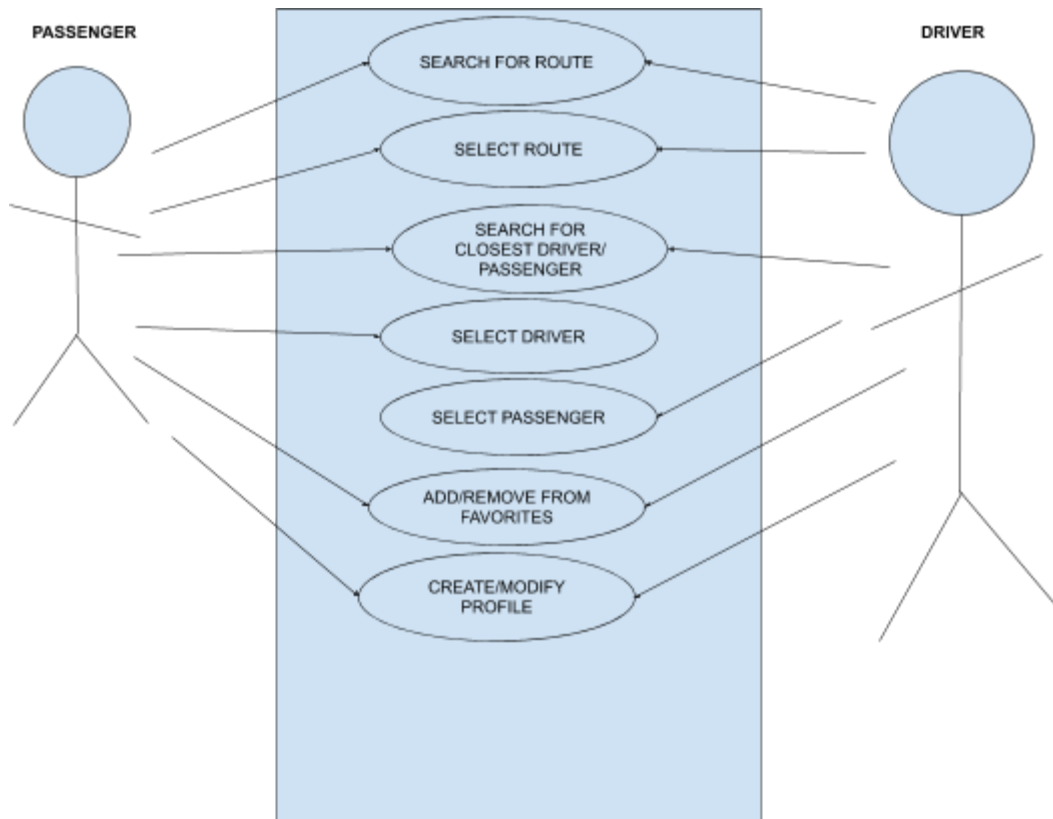<u>Definitions, Acronyms, and Abbreviations:</u>
- ● None

SECTION 2: Product Overview

<u>Assumptions:</u>

- The program will be used by taxi service, Uber, and Lyft.
- The program will connect to the user's location to gather data such as distance from driver/passenger, distance from destination, and the time to destination.
- The program should take about 1 GB.

<u>Use Case Diagram:</u>

<u>Use Case Descriptions:</u>

- Search for route-The driver and passenger will input a destination they want to go and the program will gather their position, the final destination, and the best route to arrive on time.
- Select route-The driver and passenger will receive multiple routes of varying lengths and times.
- Search for closest driver/passenger-The program will gather data from the GPS only when the driver says they are available to pick up a passenger, or when the passenger inputs that they would like to be picked up by a driver.
- Select Driver-The program will gather and display the IDs of drivers around the passenger to choose from based on their ratings by other passengers and distance.
- Select Passenger-This will allow the driver to choose if they want to take the passenger or not based on the passenger's rating from other drivers.
- Create/modify profile-The program will allow both users to make a profile that will display their picture, their name, and if they are a passenger or driver. They will be allowed to edit their profiles with new names, if they want to be a passenger or driver, and new profile pictures.

- Add/Remove from favorites-The program will have a favorites list that will allow both passengers and drivers to add the other too. If the passenger adds a driver, they will see them first in their options if they are in the area. If the driver adds a passenger, they will get notifications if the favorited passenger is looking for a ride.

SECTION 3: Specific Requirements

No: 1.
Statement: The system shall switch screens if the correct login information is given. If not, it will show an error saying "The information you entered is incorrect."
No: 2.
Statement: The system shall allow the passengers to rate the driver on a scale from 1 to 5 based on professionalism, timeliness, and safety.
No: 3.
Statement: The system shall allow passengers and drivers to create and modify their profile by allowing profile pictures, changing their name, changing their home address, changing their password, changing if they are a driver or passenger, changing their gender and email address if needed.
No: 4.
Statement: The system shall allow drivers and passengers to register an account by allowing an email address, their age and name.
No: 5.
Statement: The system shall compute the time of arrival from the pickup location to the selected destination.
No: 6.

Statement: The system shall allow the passenger to see all drivers within a five-mile radius and their rating in stars before they choose a driver.
No: 7.
Statement: The system shall allow drivers and passengers to cancel a trip based on wrong location, not needed, or ratings.
No: 8.
Statement: The system shall allow passengers to view their selected rides.
No: 9.
Statement: The system shall allow passengers to provide a time they would like to be picked up.
No: 10.
Statement: The system shall allow the driver to accept or deny the passenger's choice based on either time, or distance.
No: 11.
Statement: The system shall allow passengers to voluntarily pay a tip to their driver after the trip has been completed.
No: 12.
Statement: The system shall allow the passenger to pay with debit, credit, or a visa gift card to the service.

No: 13.
Statement: The system shall calculate the payment due by using the miles driven multiplied by the standard driver rate of $4 per mile
No: 14.
Statement: The system shall withdraw the payment from the customer's payment card on file after receiving confirmation.
No: 15.
Statement: The system shall pay the driver 75% of each fair plus the tip from the customer and pay the Project Order A Car 25% of each fair, tip not included.
No: 16.
Statement: The system shall allow passengers and drivers to add a payment type to their account.