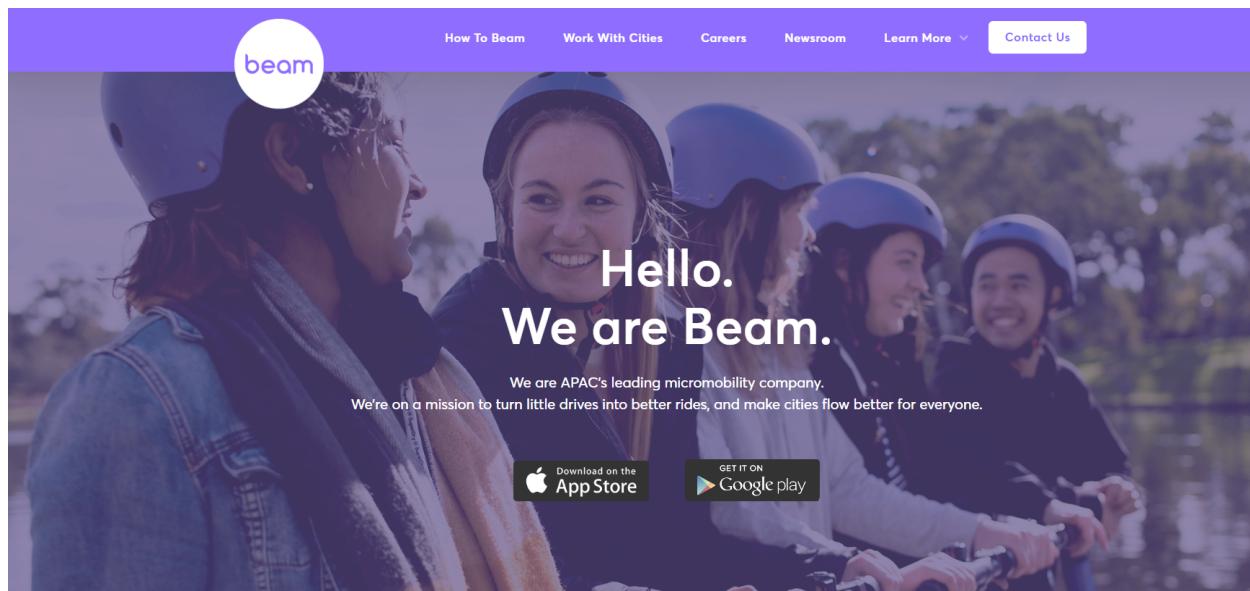


Table of Contents

No.	Title	Page
1.	Company history	3
2.	Company organization chart	4
3.	Introduction to the Beam Rental Page	5
4.	Targeted customers	6
5.	Ways to promote Beam	7
6.	Impact of new Beam to the society, environment, and economy	7
7.	UML Diagram	8
8.	Source Program	11
9.	Inputs & Outputs	12
10.	References	16



BEAM PROJECT



1. Company history

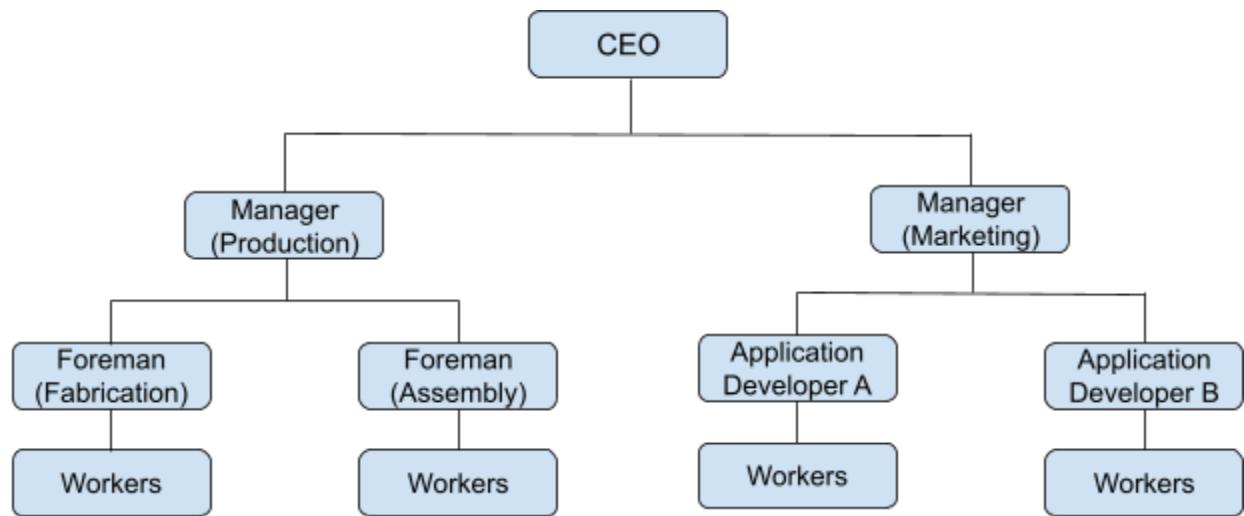
Beam was established in Singapore. Malaysia is their first branch in the Asia-Pacific region. In July 2018, CEO Alan Jiang and CTO Deb Gangopadhyay introduced Beam and launched the Beam project in Malaysia in October. Their company is called Beam Mobility Holdings Pte. Ltd.

Alan Jiang marketed Uber in nations including China, Malaysia, Indonesia, and Vietnam in 2012. He has extensive experience in promoting the expansion of transportation options.

Deb Gangopadhyay, another founder, and engineer of Beam, is one of the Silicon Valley programmers who make the Software as a Service (SaaS) technology widely used by people. He managed several of the highest-grossing mobile applications while at Pocket Gems.



2. Company organization chart



3. Introduction to the Beam Rental Page

The role of the Scooter Beam Rental Page allows users to book the ride. Users can check the amount they need to pay for traveling.

The steps to use are:

1. After running the program, the user will be opened to the page. The page asks the user to log in.
2. Users need to enter the user's id and password. If you haven't registered, it will show you the user does not exist.
3. After filling the personal information which is name, number of identity card, gender, and phone number, sign up as a user with the press of button.
4. Choose the vehicle that you prefer, either scooter or bike.
5. Enter the usage time and press the "next page" button.
6. The amount to be paid will be given. The scooter costs RM0.50 per hour while the bike costs RM0.70 per hour.
7. Afterworth, the receipt of the ride will be given with the details, name, IC number, vehicle type, duration, price per hour and total price.
8. After confirming the order of the user, a window will be opened and show the order is completed.

4. Targeted customers

Malaysia is a well-connected country with several public transportation alternatives. For instance, ETS and trains that can cross states, KTM that travels long distances, as well as LRT and MRT with numerous shifts. These modes of transportation have made traveling for individuals much easier. These modes of transportation have made traveling for individuals much easier. The sole drawback is that when a passenger uses public transport to travel to a destination, the distance between the passenger and the end location is frequently still quite great. But occasionally, that short distance isn't even that far. Just that it will be quite embarrassing for passengers to have to walk during the hot weather to get to their destinations. For this reason, Malaysians frequently use applications that provide ride-hailing services, like Uber, inDriver, Grab, and AirAsia. Due to the lack of alternative transportation for travelers to reach their destinations. However, the route to the destination may only take 20 minutes to walk there while a car trip could take 40 minutes. This is a presumption made after excluding the possibility of traffic jams. The problem of traffic congestion on Malaysian roads is very serious.

So e-scooters will be a very objective market in Malaysia. Passengers not only save money and time when this little distance is replaced by an e-scooter, but they also arrive at their destination more quickly. This explains why there are numerous e-scooters at public transportation hubs. So the first target group of this project is commuting students and office workers. E-scooter can well solve the transportation problem of passengers.

The second target group is tourists. Tourists can explore Malaysia with an e-scooter. Enjoy street views along the way. Additionally, there is no need to pay for limited parking spaces, which significantly lowers the cost of tourists. Tourists are free to stop whenever they choose, even without an international driver's license. Many famous tourist attractions in Malaysia are very close, so it is a good choice to have an e-scooter for transportation.

5. Ways to promote Beam

Let more users know about our brand by placing advertisements on Tiktok and Youtube, promote the concept of low-carbon travel, and implement environmental protection policies. And through a series of discount activities to invite users to experience, provide good customer service and care to retain customers.

6. Impact of Beam to the society, environment, and economy

Society:

1. Beam is a good solution to the situation if you get off by car or bus but there is still a certain distance from the place you want to go.
2. Resolve emergencies. When people need to get somewhere right away but have no way to get there, getting to the destination on an e-scooter is easier than walking.
3. The feeling is that friends and couples go out, but they don't want to take a taxi or public transportation, and they have special feelings for cycling, so beam is a very good choice.
4. Alleviate traffic jams in some areas.

Environment:

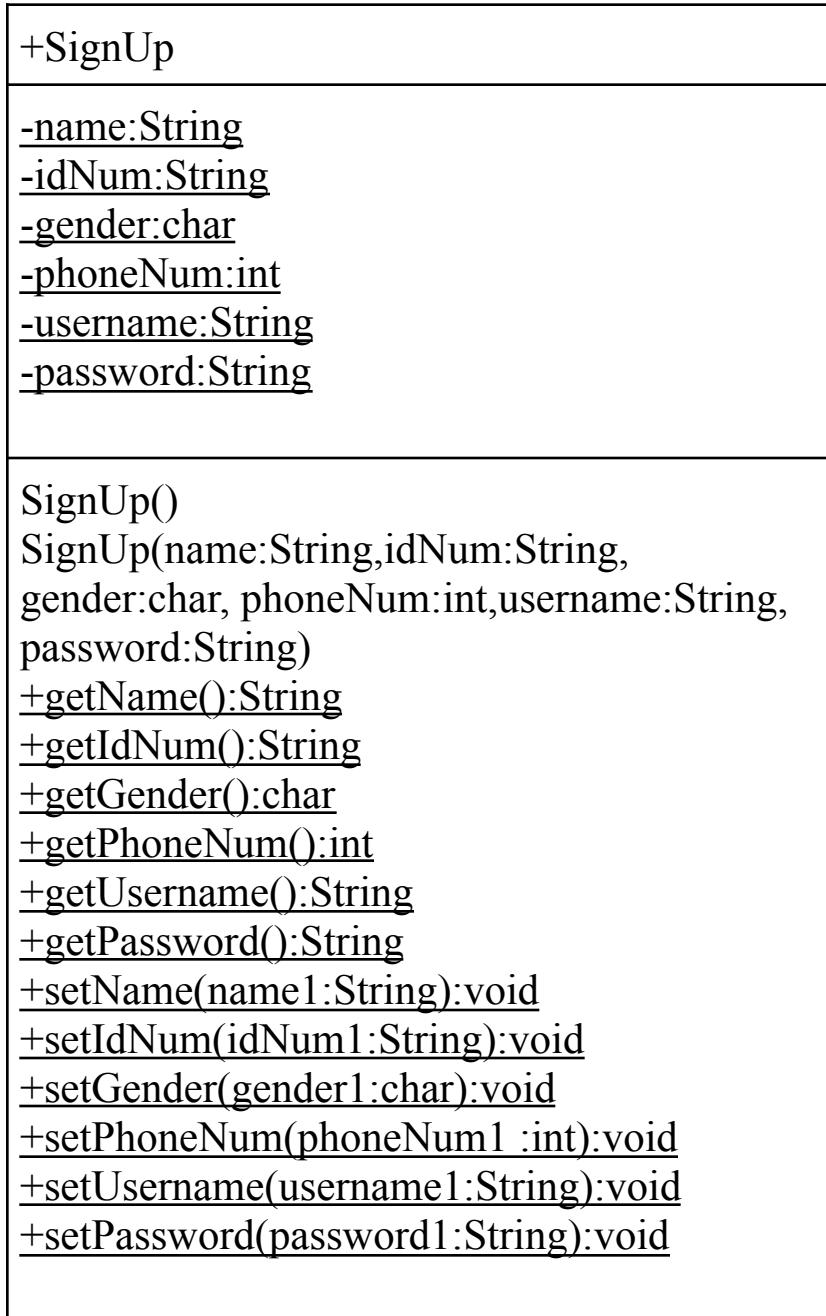
It is true that environmental protection has been partially realized, and the utilization rate of taxis, cars, and trains has been relatively reduced.

Economy:

The emergence of the new beam not only solves people's "last mile" problem, but also stimulates a lot of economic consumption. By opening the new section of "sharing", it increases economic revenue

and stimulates economic growth.

7. UML Diagram



+SignUpScene

+start(primaryStage:Stage):void
-showAlert(alertType:AlertType,owner:Window,title:String, message:String):void
+main(args:String[]):void

+Login

+start(primaryStage:Stage):void
-showAlert(alertType:AlertType,owner:Window, title:String,message:String):void
+main(args:String[]):void

+RentalChoice

+start(primaryStage:Stage):void
-showAlert(alertType:AlertType,owner:Window, title:String, message:String):void
+main(args:String[]):void

+ChooseRide

+start(primaryStage:Stage):void

+main(args:String[]):void

+RideRental

-rideType:String

-pricePerHour:double

-duration:int

RideRental()

RideRental(rideType:String,pricePerHour:double,duration:int)

+getRideType():String

+setRideType(rideType1:String):void

+getPricePerHour():double

+setPricePerHour(pricePerHour1:double):void

+getDuration():int

+setDuration(duration1:int):void

+totalPrice():double

+ProcessToReceipt

+start(primaryStage:Stage):void

+main(args:String[]):void

+PrintReceipt

+start(primaryStage:Stage):void

+main(args:String[]):void

+FinalDone

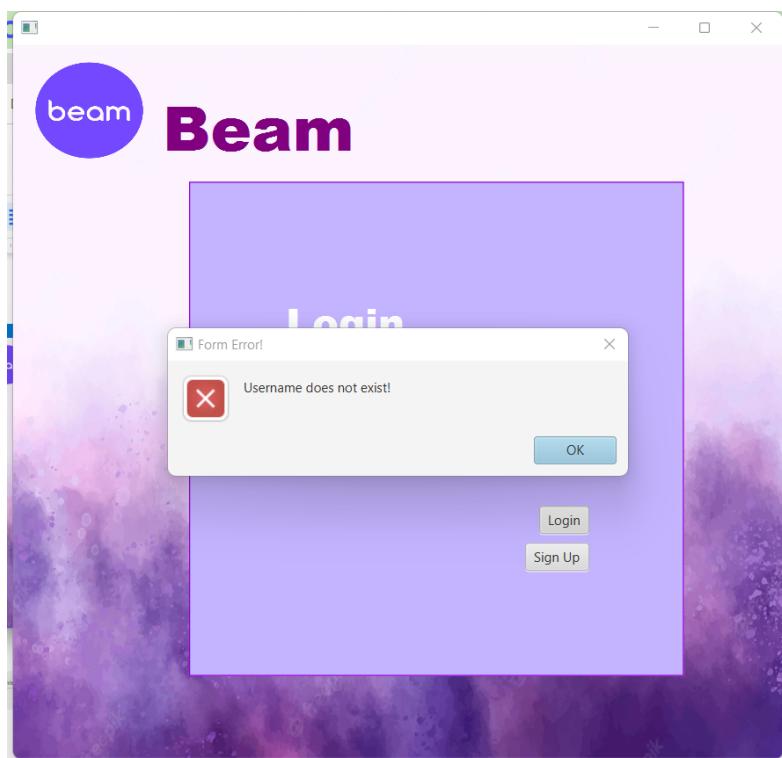
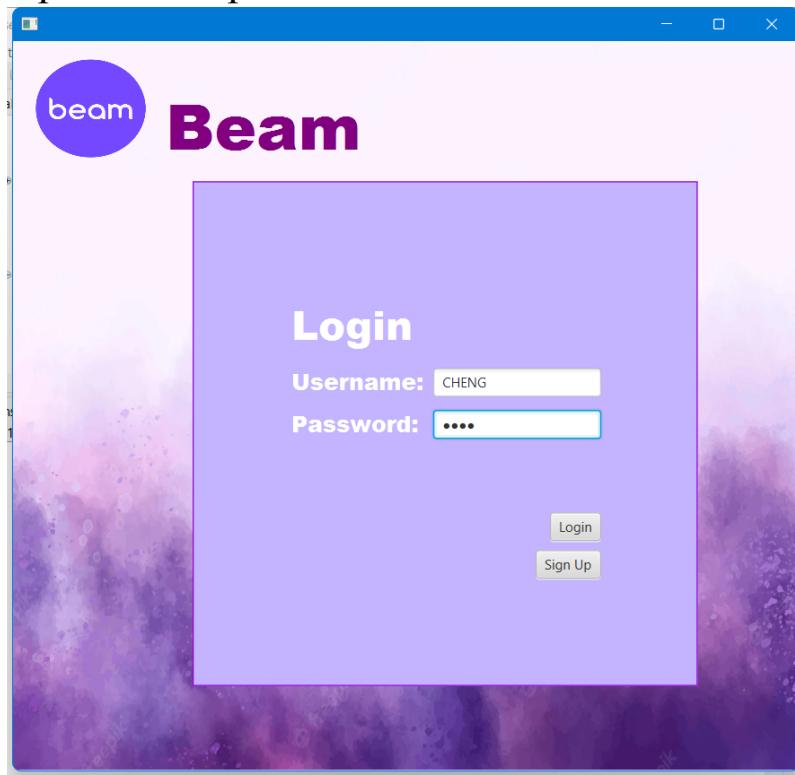
+start(primaryStage:Stage):void

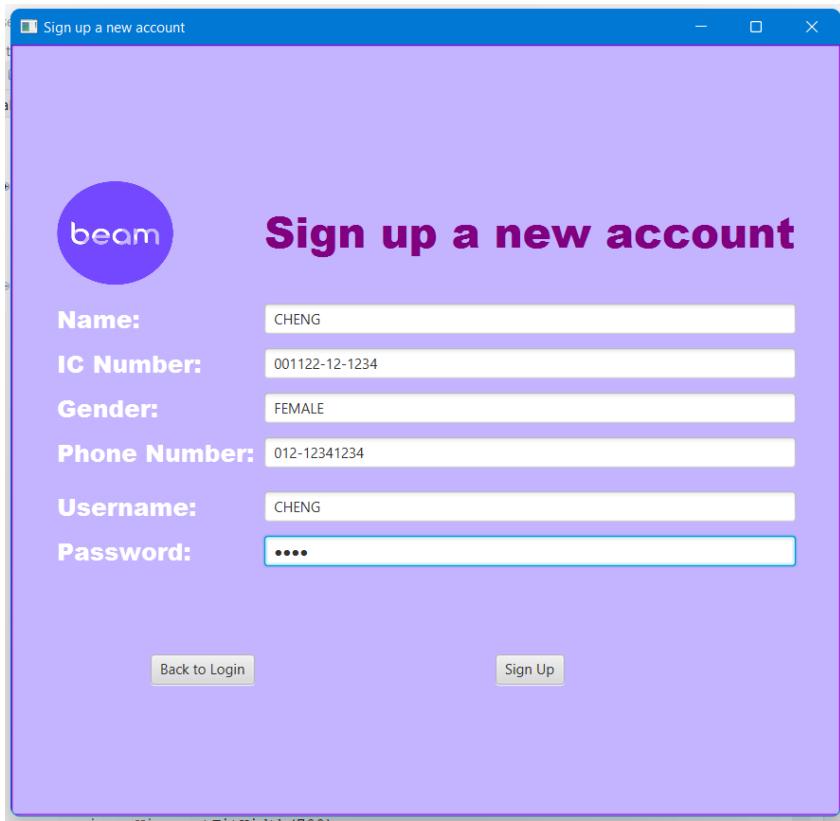
+main(args:String[]):void

8. Source Program

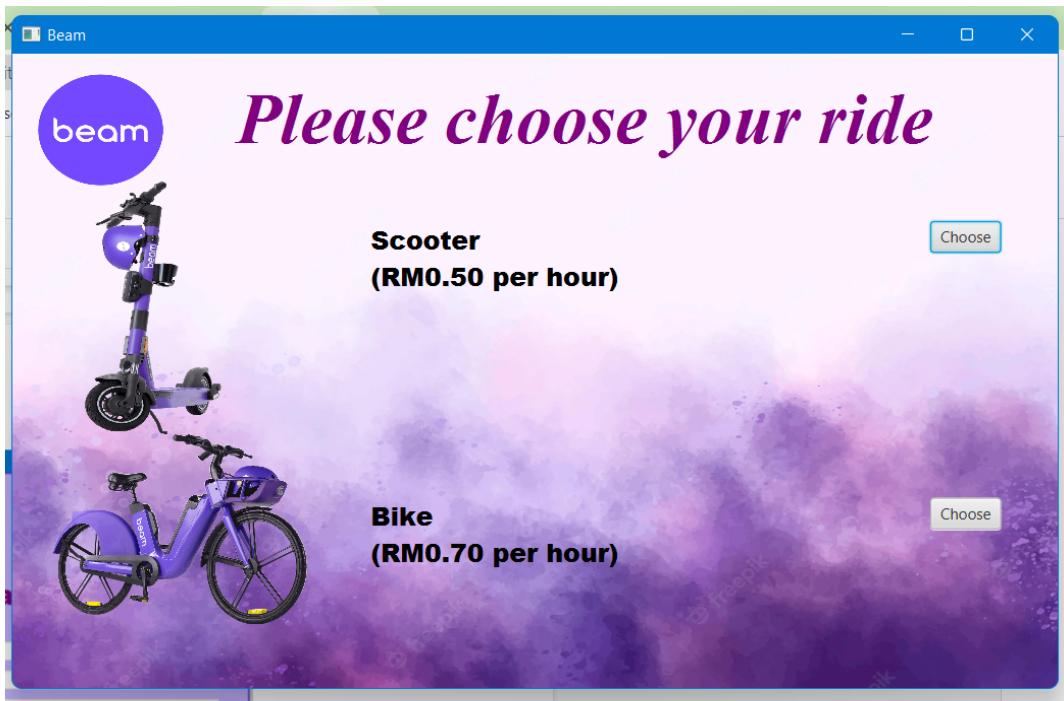
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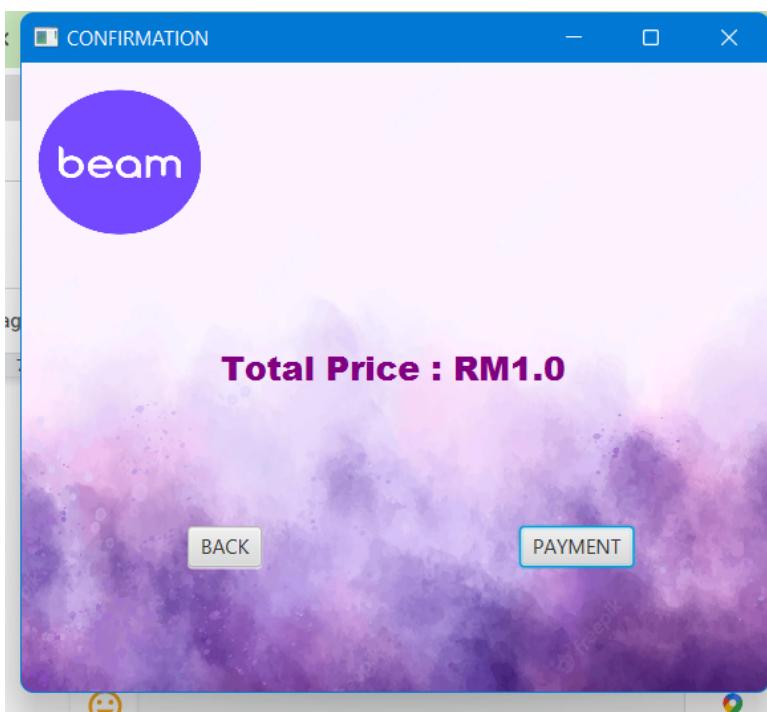
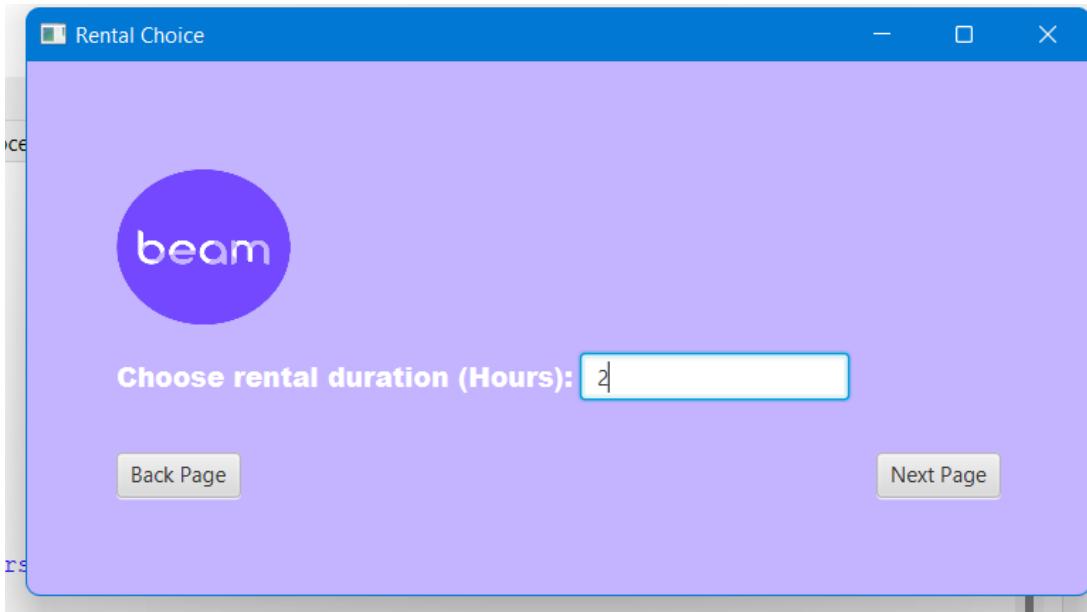
9. Inputs & Outputs

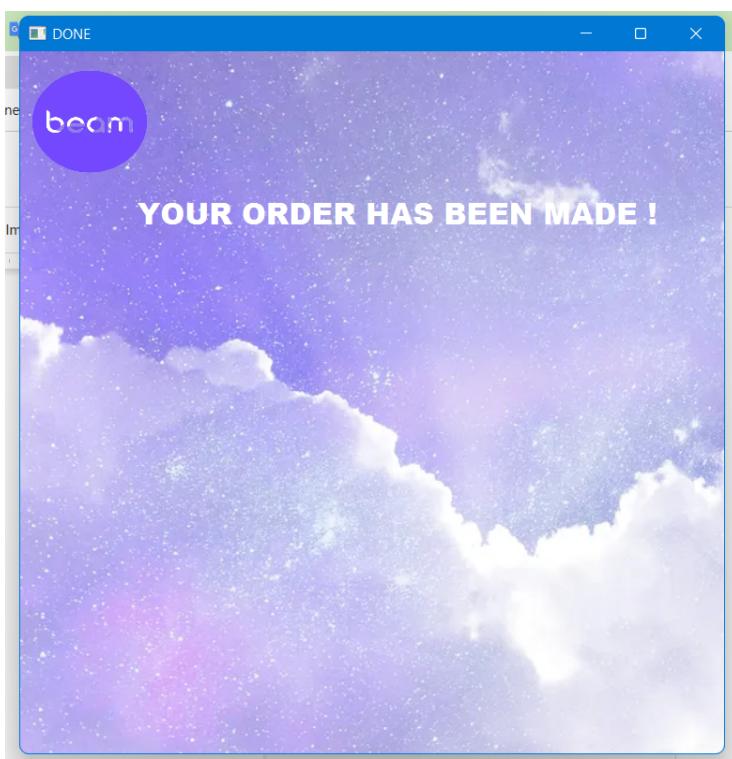
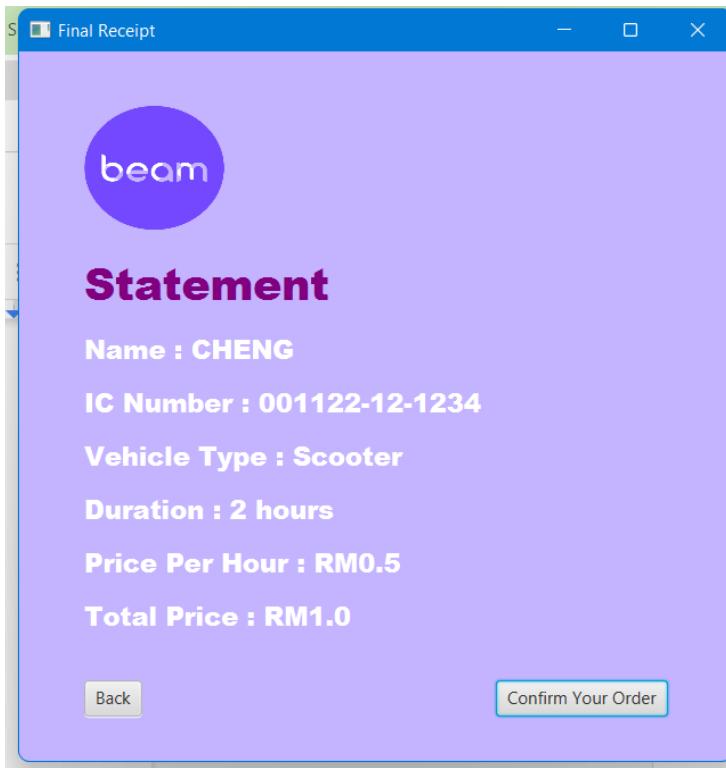




Choose Scooter and ride 2 hours







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<https://vulcanpost.com/659288/beam-singapore-e-scooter-launch-malaysia/>