MaDeGo delivery

1. Problem

A percentage of the population are unable to go outside and buy their own groceries. Reasons for this inability include being lazy, being busy, and living in an area with no specific type of grocery.

2. Solution

The app we're making will ensure that anyone living anywhere can get their fair share of groceries. We're going to deliver groceries right to your doorstep with our delivery truck.

3. Value Proposition

Cheap shipping and seamless delivery without any delay. Guaranteed fresh product delivery under normal circumstances. Automatic delivery service with human interaction.

4. Features

- Able to order delivery food and groceries with this application.
- Automatic delivery without humans controlling.
- Easy to understand UI, has search function.
- Time calculated when customers order.
- There are a lot of ways to make payments such as transfer money, pay on delivery and ease of payment.
- Notifications to customers for real-time updates.
- Able to check previous history orders, payment.
- Real-time tracking customers orders.
- Safety product box that unlocks once transaction is complete (smart technology). There's still a box inside the safety box to contain the product.
- Security camera and alarm system that detects aggression (physical attacks).
- Claw system that dispenses the safety boxes to the product retrieving area.
- Self regulating temperature.
- Many types of trucks (Fresh produce, cold objects, warm objects).

5. Feasibility

Self driving and pathfinding technology already exists, so we are using that for our delivery trucks. We'll have a warehouse that restocks the delivery trucks, and also performs maintenance. The claw system already exists in some vending machines, so we're modifying some aspects to fit our purpose of grabbing smart safety boxes. The smart safety boxes can be done by modifying some aspects of the ordinary smart lock box to work with the claw system. Aggression detection technology comes in the form of brunt force and trauma detection, works like car alarm but adjusted to be a lot less sensitive. For the budget feasibility we assume that we have been supported by the government or a lot of investors.

Appendix

Target: A person who isn't comfortable going outside and doing groceries such as dorm dweller, white collar worker, remote worker etc.

Risk assessment: Errors that might occur during the delivery include, system errors (server down, software glitch, bug in the code), and physical accidents (attacks and theft attempts, route blockage or destruction, hardware malfunction). This doesn't account for extraordinary cases that include human errors or human folly.

Concept: AI delivery groceries. Our concept will involve self driving 4 wheel electric vehicles which are automatic to drive in every district in bangkok. The vehicle will drive itself using AI path navigation to navigate its way around the district, when a customer orders the groceries delivery, the vehicle will start to head that way automatically and deliver the groceries. When it arrives at the destination, the customer will have to pay by QR code on the vehicle or you can also pay with cash, then it will spit out the box with groceries in it.

Details of our Project:

Function: -Able to order groceries via application.
-Has an AI controlling a 4 wheel car which delivers your order.

Vehicle: Four wheels vehicle, such as truck with an AI self-driving software controlling.

Application: Users can order groceries without going to market via application. In the application there are categories such as meats, vegetables, and fruits. When you order your groceries, There will be a traveling time estimated till you get your groceries.

Roles:

1. Proposed innovation including motivation & value propositions
Member(s): Nithit Lertcharoensombat 65130500212, Kampol Suwannatam 65130500201
2. Business model for growth including revenue, profitability and/or sustainability mode
Member(s): Shinathaj Chinskul 65130500238
3. Customers, customer segments and potential growth
Member(s): Ratchanon Promsombut 65130500242, Pacharakrit Arsawiset 65130500263
4. Technological feasibility that includes software solutions
Member(s): Pongkhun Poonsupsopon 65130500216
5. Competition analysis,impact analysis and business success analysis
Member(s): Pavadol Dechasidphaisan 65130500240
6. A 3-minute pitching video with demonstration of proposed software solution (mock-up)
Member(s): Thanapat Thanatawee 65130500239