Greetings

### Ramzi

Hello everyone, Thank you for being here today, let us introduce ourselves first.  
My name is Ramzi Alsayegh, I am 23 years old, a fresh graduate as a software engineer from Amman Ahlia University.

### Nizar

Good evening everyone ,My name is Nizar Sweiss. Next week I am going to be 23 years old, I graduated from Amman Ahlia University as a software engineer.

### Ebaa

My name is Ebaa Alshareef, am an 18-year-old self-taught programmer who started with a passion when I was Xnth grade

### **Ramzi**:

Before we continue, I would like to mention that me and Nizar been doing pair programming for more than 3 years, and we were passionate about it. And talking about passion, I am fascinated by Ebaa’s passion for programming; he made me believe that you do NOT need a certificate to be skilled in programming.

making us a passionate programming team that thrives on implementing cutting-edge technology solutions to real-world problems Like the problem Ebaa faced when he ordered a product from a business, let’s hear it from Ebaa.

Story problems & solutions

### Ebaa

So my Story [bla bla bla...] , and the main problems are:

### Nizar

what we get from Ebaa’s story is that :

* The manager has had a tough time remembering past orders.
* The manager is having difficulty finding an available driver for that area by that time.
* The customer and the driver do not communicate professionally.
* Poor Feedback Form.

Therefore, we created this application, Pulse. With Pulse features we were able to:

* The manager now has an easier time finding the right driver.
* All orders are easily accessed and stored in the database.
* The application allows communication with and tracking of the driver.
* Modern Feedback Form.

And now, let me talk about Pulse user types and their main functionalities:  
There are three user types, The Manager, the driver & the customer

**For The manager,**

* He can start an Order, and view his ongoing, past & future orders
* He has access to the dashboard, which includes graphs of analyzed data.
* Also, he can view all of his employees and create new ones.

**And for The Driver, can**

* View his to-do orders
* And his previous orders

**For the Customer**

* He can track his order
* Give Feedback

**And All of them can**:

* Scan QR Code
* Send and receive messages through the application.

App walkthrough

As Manager - Emulator

### Ramzi

Now, let's walk through our application to perform these functionalities:

First, the manager must contact us to **create an account** to get information about him and his organization. And here is where we make a profit from our application: by providing this service as a monthly or yearly subscription. After the manager signs up successfully, he will be able to log in with his email and password. We will be using an already-made test account in this presentation.

As you can see, the manager is shown the **Orders screen** first, here he can easily switch between ongoing and past orders. And most important thing is to create an order by clicking this button and filling out this form, and the driver will be selected based on the availability for that area and by that time.

Next, we have **Drivers Screen**, where he can create, view, and delete a driver. Let’s try to create a driver by clicking this button, and here we can either fill this form manually, by typing, or fill it up by importing an excel file, and this can be easily done by clicking on this ‘import from excel’ button, then we chose the excel file, and here is all of his info are filled-in and can be changed before creating an employee. Here we have the new driver.

lastly, the **Dashboard screen**. After analyzing the data from the database, we visualize these different data by its suitable graph.

The first graph is called the “geography graph”, which displays the number of orders in this city; the darker it is, the more orders there are in this city.

The second graph is a “pie graph”, and it displays the most orders grouped by product category type.

The last graph is called a “line chart”, and it displays the failure rate for the past 5 months.

One last thing before signing out from the manager account, let's schedule a new order for the new Employee, we go back to the Task screens, click on the “Schedule” button, and I will enter any data for now, as it's only for testing purposes. We are done now.

As Driver & Customer - GIFs

### Ebaa

That’s all about the manager, let’s check out what the application looks like for the Driver, let's sign out by signing out from the drawer menu. Now, you remember the employee we imported from excel with the name “Ali”, Let's sign in using his Email & Pass.

Here’s the driver home screen, similar to the manager screen, excluding the dashboard screen and limited features such as scheduling an order or creating another employee.

Let’s check this Task that we have scheduled a few seconds ago, clicking on this task card will preview its details, and here we can start delivering this order by clicking on this button, but before we do that, we had to use GIFs instead of this emulator, due to this presentation time constraint.  
The Driver screen will be on the left, and the Customer screen will be on the right, both running simultaneously. When the driver taps the "start" button, the map appears on his screen and the customer receives an SMS letting them know the order has begun, and it can be tracked by clicking on this URL. As you can see, the driver's location is being live-tracked.

When the driver arrives at the customer's destination, he will tap on the ‘Delivered’ button which means the product has been successfully delivered. Noting that the driver might be required to take a picture of the product and its surroundings to show what’s near that product in some circumstances, where the customer has a vision problem. The customer will hear a speech of the objects that are near the package. Following that, the customer can give feedback on the order service.