metrofiber

- **Project Concept:**

There was a file for a newly founded enterprise called Metro Fiber in Engr. Abdullah Saied's office, which he kept in the same place he stored files for enterprises who approached him for software development.

As the name implies, fiber optic technology uses light pulses to transfer more data at a faster rate than traditional copper wires. Metro Fiber transports packages faster than any other traditional method using Cairo Metro, which is how the company got its name; they solved the problem of shipping delays in Cairo.

Cairo is a massive city with an enormous network of highways and other forms of transport. There are several sources of traffic congestion in Cairo, however metro ridership does not face this issue because it operates underground, avoiding all traffic. The metro's coverage is limited for a city the size of Cairo, but it is expanding, with 74 stations covering the bulk of the city.
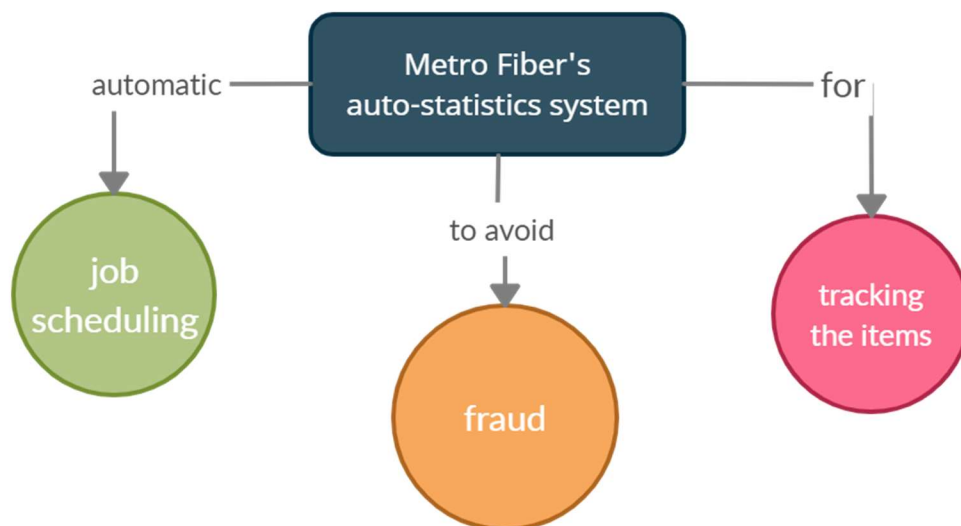
- **Project overcomes those problems:**

1. Because of the size of Metro stations, there is a lot of space to create packaging spaces. There is no need to intrude on the privacy of anybody asking for their address; the package recipient may pick up their package item by providing their national ID to metro station staff, who will bring him the item, they also have teamed up with delivery truck stations to pick up packages from nearby metro stations and deliver them to consumers' houses.

2. When compared to traditional methods, it increases item delivery time by seventy percent.

3. Pollution in Cairo because vehicles are a major source of pollution.

4. Cairo has a few workshop storages places.

5. Metro's revenue has more than doubled, and they can now offer additional job titles because of a lack of workers.

- **Basic requirements:**

They want a system that uses auto statics to target difficulties in their operations, such as delivery estimates to allow consumers to track their shipping, overcoming specific problems with fraud, and creating a verification system for pickers, which they encountered when their verification method was paper based, as well as correct job scheduling for the workers.

- **Desired:**

Engr. Abdullah has assigned three of his pupils to work on this using SDLC to make it a reality using principles taught in ISD 100.

- **Assigned students, IDs, and roles:**

Student name	ID
Mohammad Mamoun Mohammad Farrag	202001946
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