AUBuses

Faster • Safer • Cheaper

MEET THE TEAM

FATMA ABU DABOS
Computer Science
Software Development

HAYA MACHMOUCHI
Computer and Comunication Engineering
Product Management

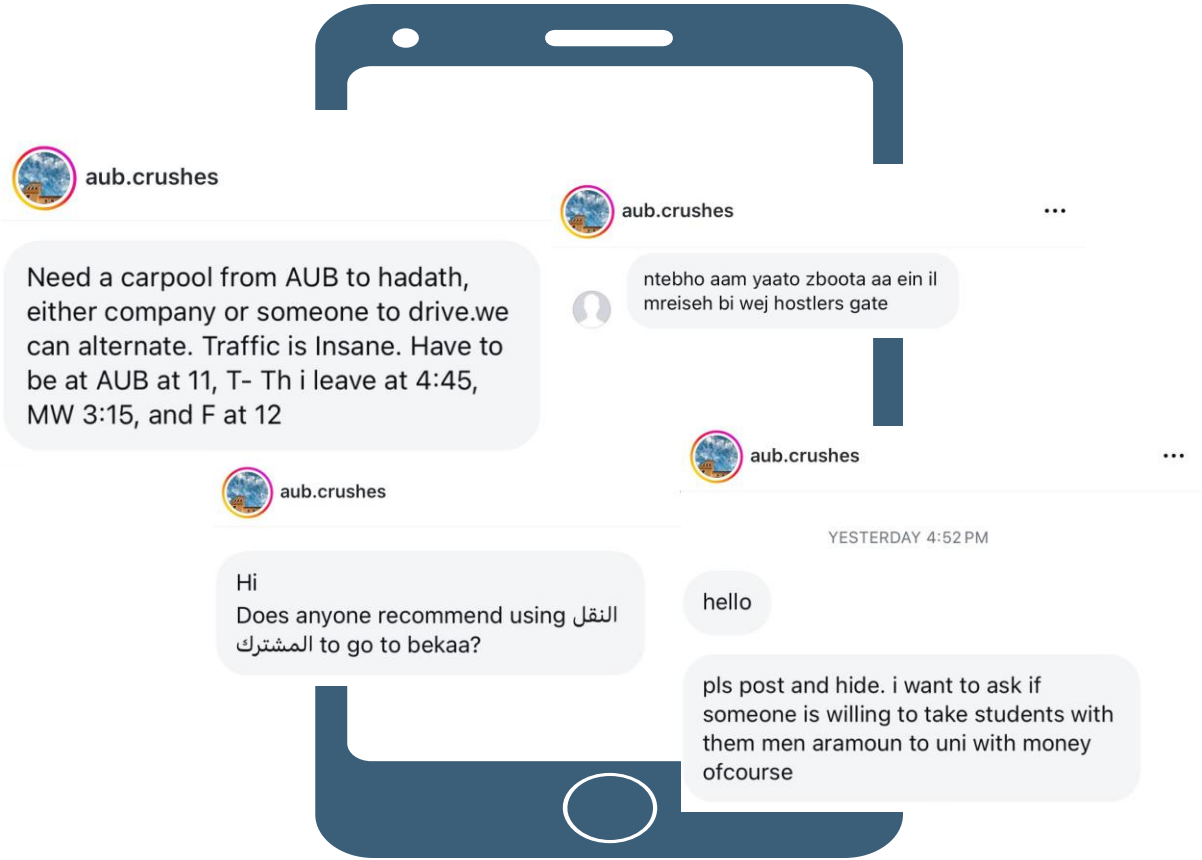
MOHAMAD HOSSARI
Computer Science
Software Development

AYAH TINAWI
Computer Science
Machine Learning

MARIAM ELWIRISH
Computer Science
Software Development

MICHEL HADDAD
Technical Mentor

How it started



Daily struggle

Expensive

Students face high transportation expenses due to few affordable options.

Traffic

Traffic jams make commuting stressful and time-consuming, discouraging in-person attendance.

Unreliable

Unpredictable, unsafe public transport causes delays and safety concerns for students.

Increase of Pollution

Increased car use worsens traffic and pollution, harming health and the environment.

Goals

Affordable
Lower housing and commuting expenses through low-cost transport.

Safety
Guarantee student safety with trusted drivers, live tracking, and emergency support.

Reliability
Reduce stress, delays, and absences from unreliable transport.

Eco-Friendly
Reduce consumption of fuel and lower pollution.

Platform
Platform for booking, tracking and managing rides with ease

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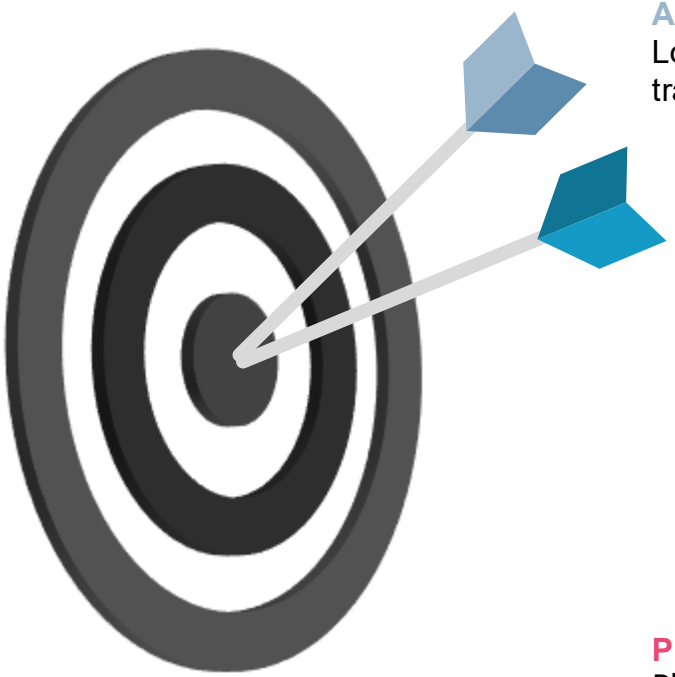

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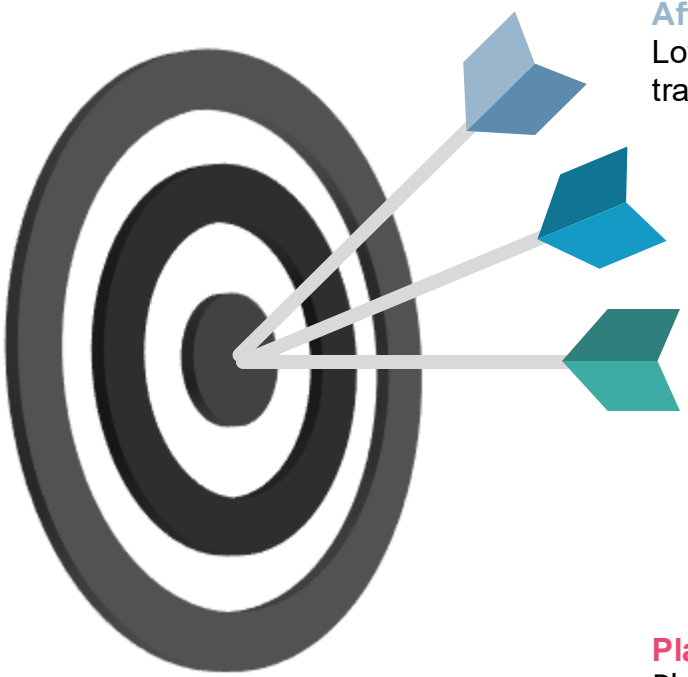

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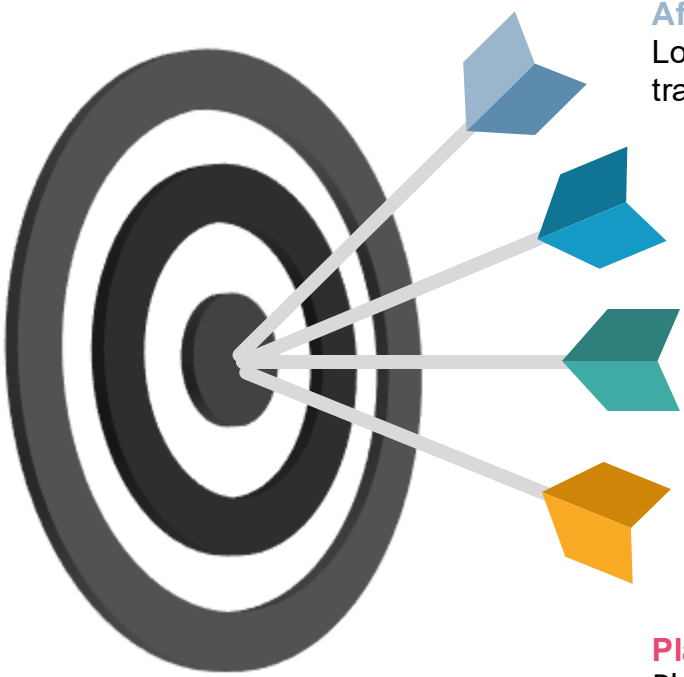

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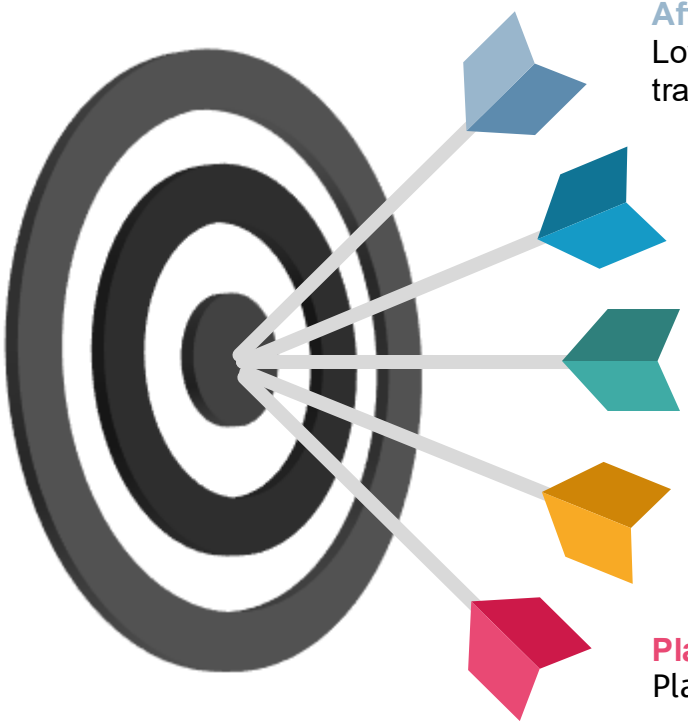

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Market Research

Expenses

Students complained about the high costs of transportation, causing some of them to rent dorms.

Traffic

Students find traffic as one of their biggest challenges.

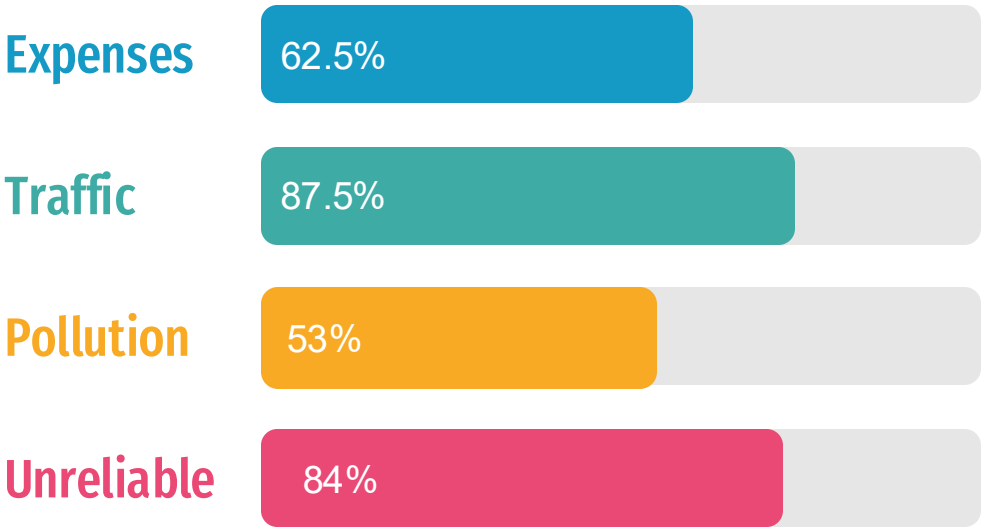
Pollution

The population is exposed to harmful levels of air pollution, primarily from vehicle emissions.

Unreliable

AUB students use their private car to go to university.

Market Research



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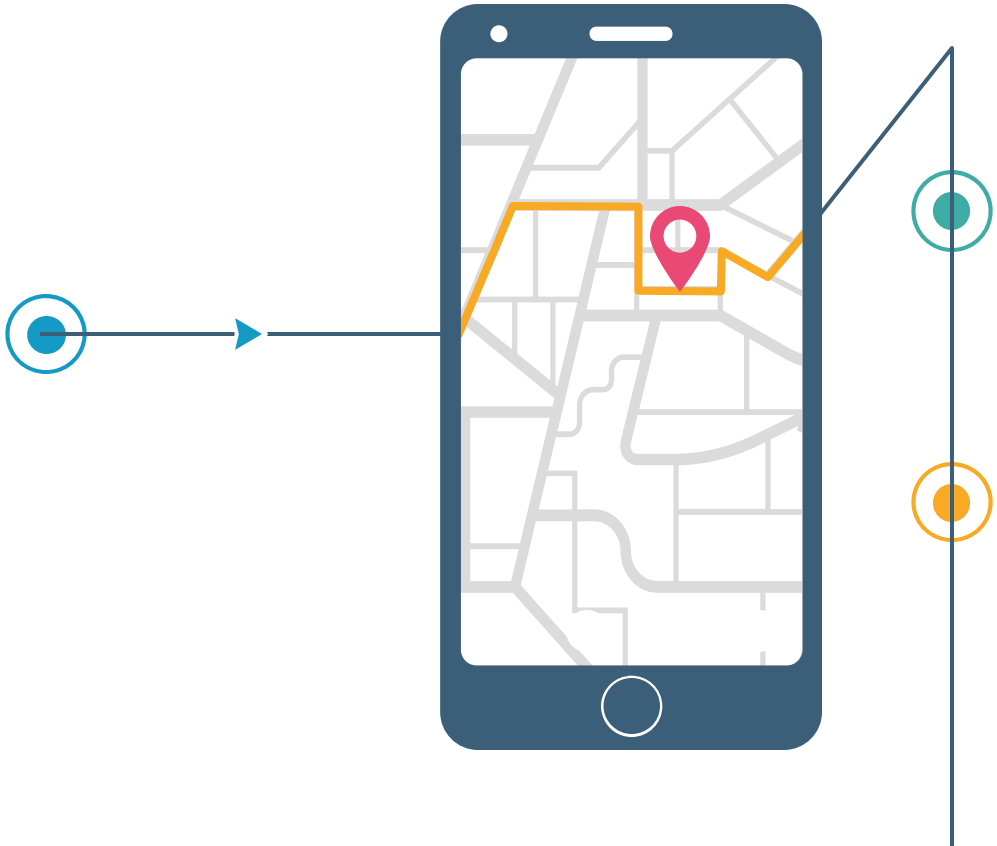
AUBuses in Action



AUBuses is a secure, affordable, and reliable bus booking platform designed exclusively for AUB students and staff.

Features

ADMIN FEATURES

Different permissions for admins and regular users with separate interfaces.

ACCESS CONTROL

UPDATE TRIPS

Admin can mange trips' routes, pricing, riders, and no. seats.

Admin can add new trips to the website, control number of seats, timing, and pricing.

ADD TRIPS

DELETE TRIPS

Admin can delete trips from the website.

USER FEATURES

User can book trips, view trips, cancel trips and they will get refunded.

MANAGE TRIPS

SEARCH & FILTER

Users search for bus routes by entering origin and destination cities.

View statistics (total trips, spending, upcoming/completed bookings).

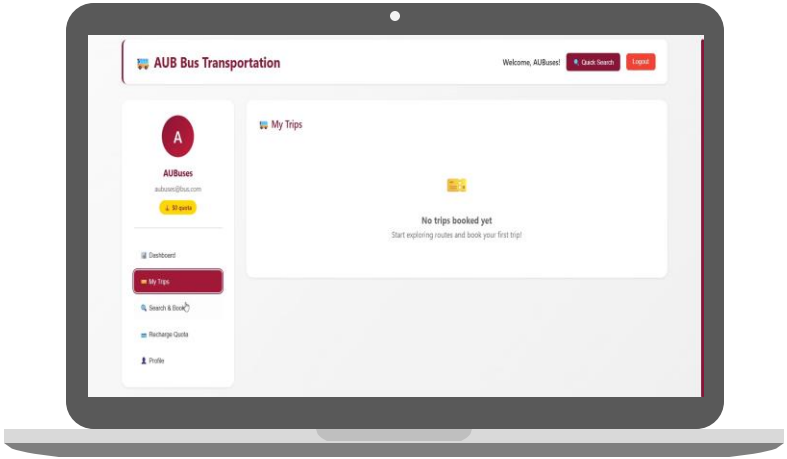
USER DASHBOARD

RECHARGE QOUTA

Virtual wallet connected to AUB account. User can add quota using 6-digit AUB ID.

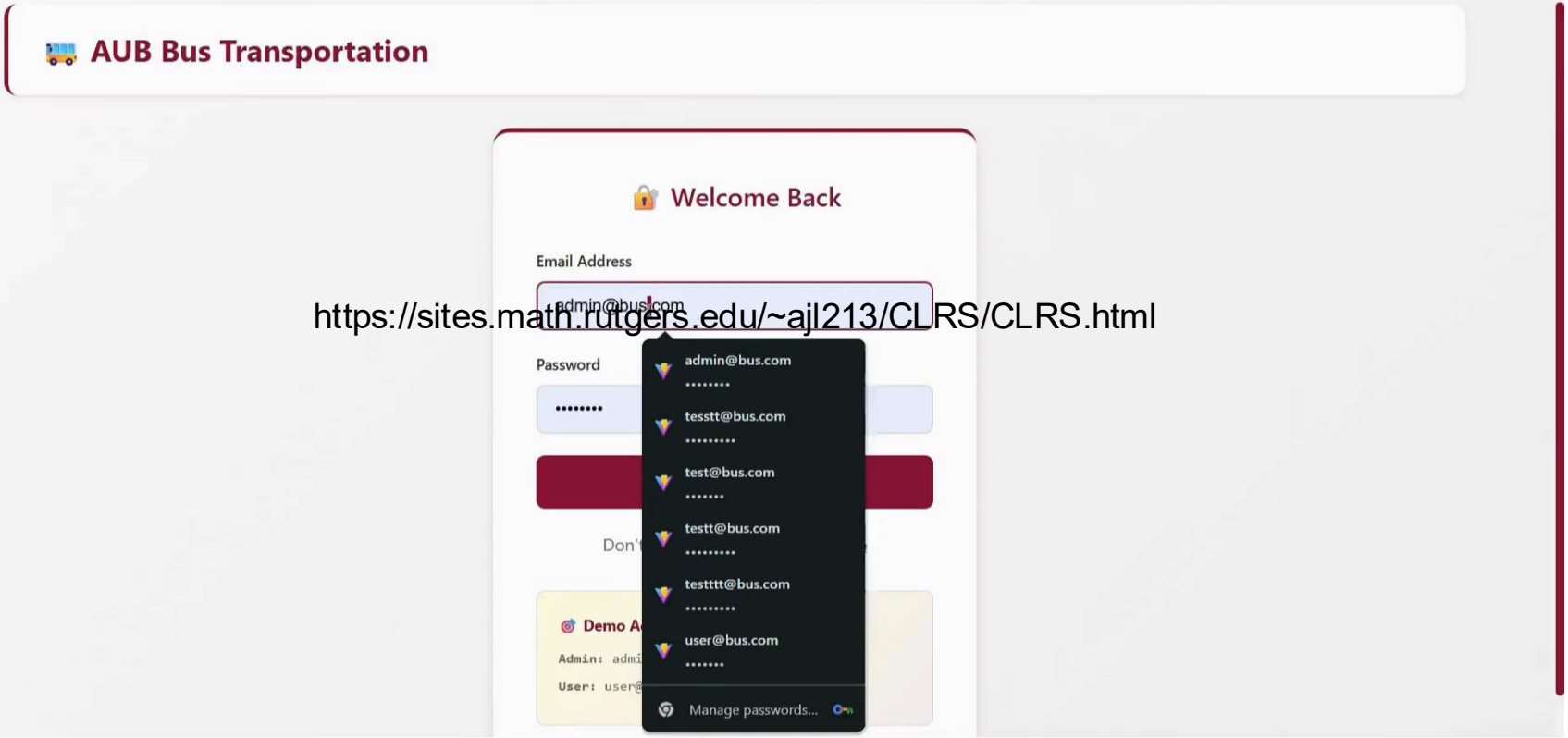
How ?

Technologies & Tools



Technologies & Tools

DEMO



https://sites.math.rutgers.edu/~ajl213/CLRS/CLRS.html

Pricing Framework

Competition-Based Pricing

Set prices based on competitor offerings and market position.

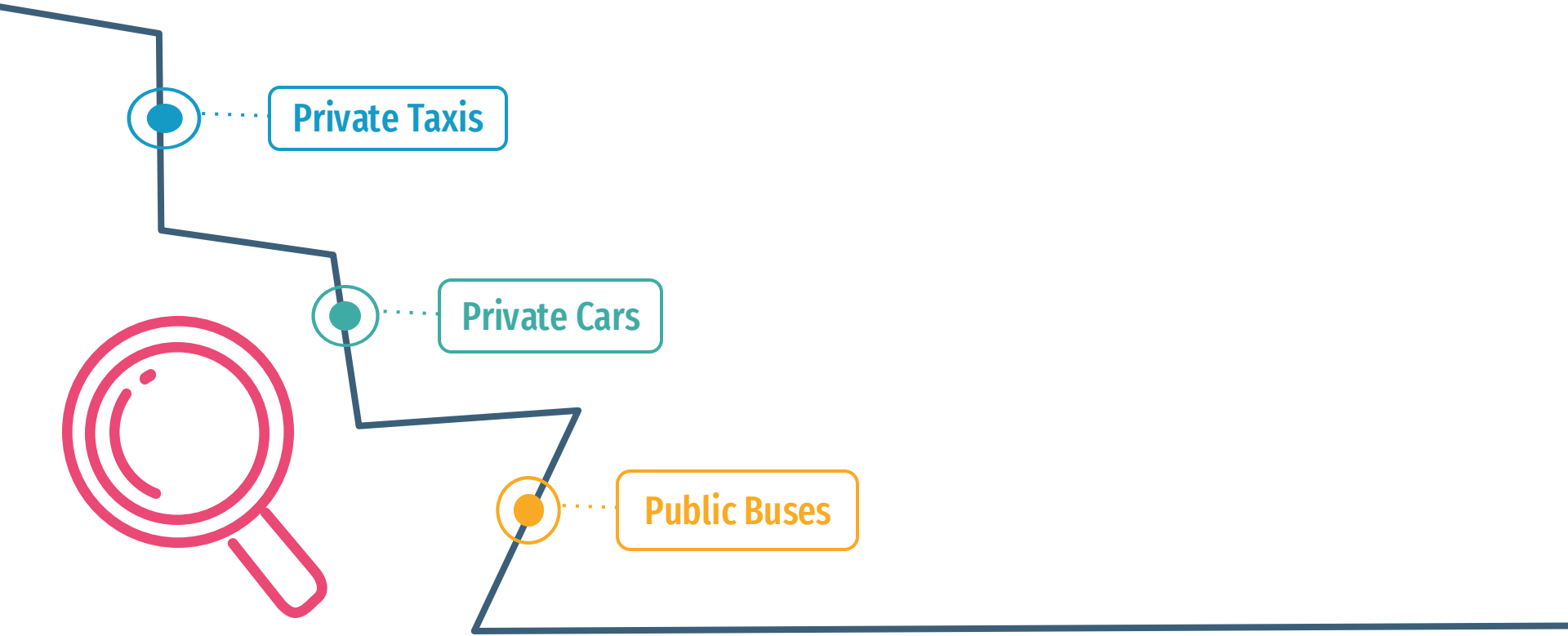
Value-Based Pricing

Price reflects customer’s perceived value and willingness to pay.

Cost-Based Pricing

Price is calculated by adding a margin to production costs.

Competition-Based Strategy



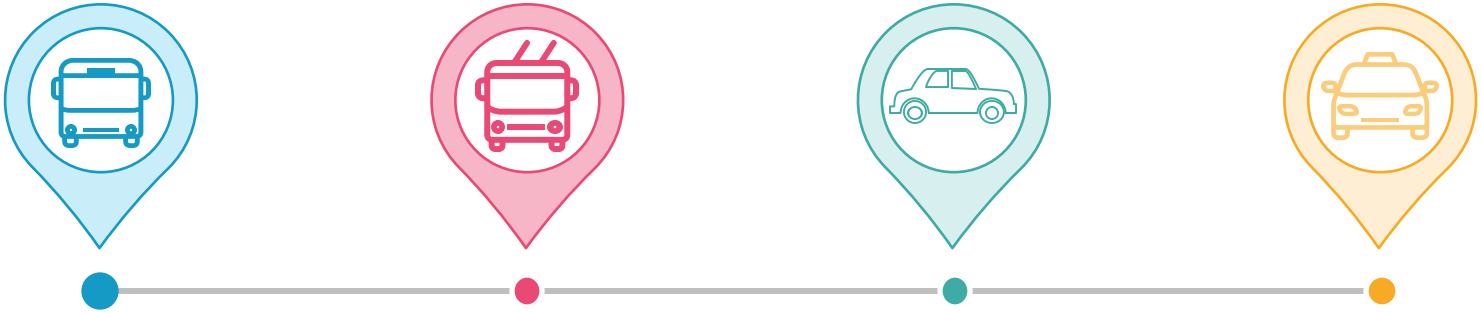
Competition-Based Strategy

Private Taxis

Private Cars

Public Buses

Beirut - AUB



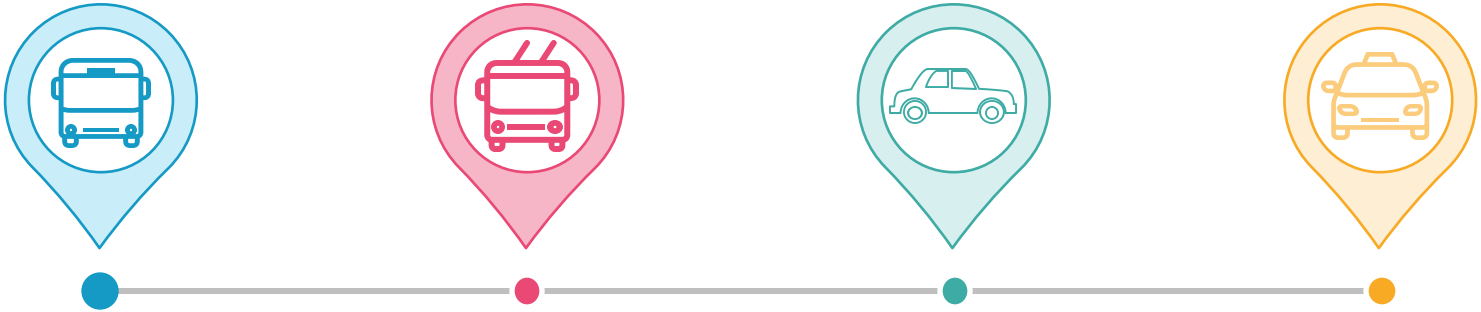
Public Bus
1.60$

AUBuses
2.5$

Private Car
5$

Private Taxi
5.5$

Saida - AUB



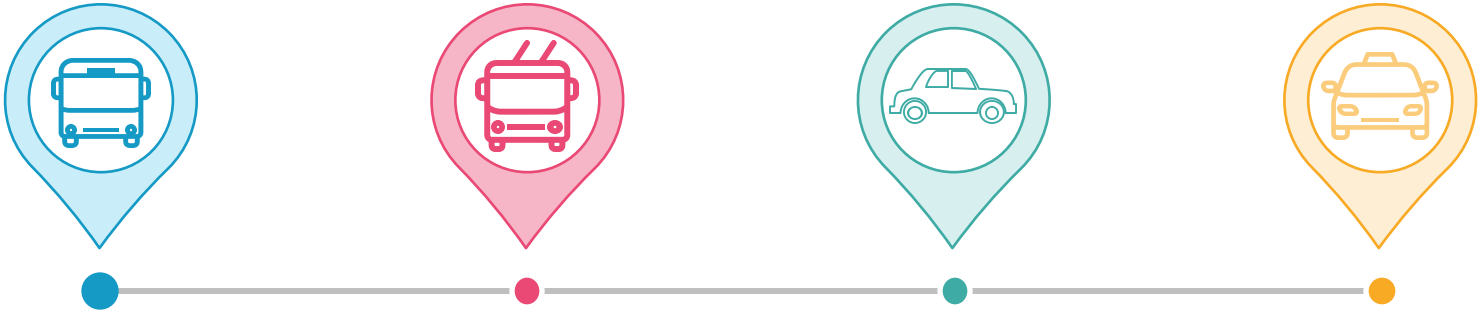
Public Bus
2.3$

AUBuses
3.7$

Private Car
8.5$

Private Taxi
30$

Jbeil - AUB



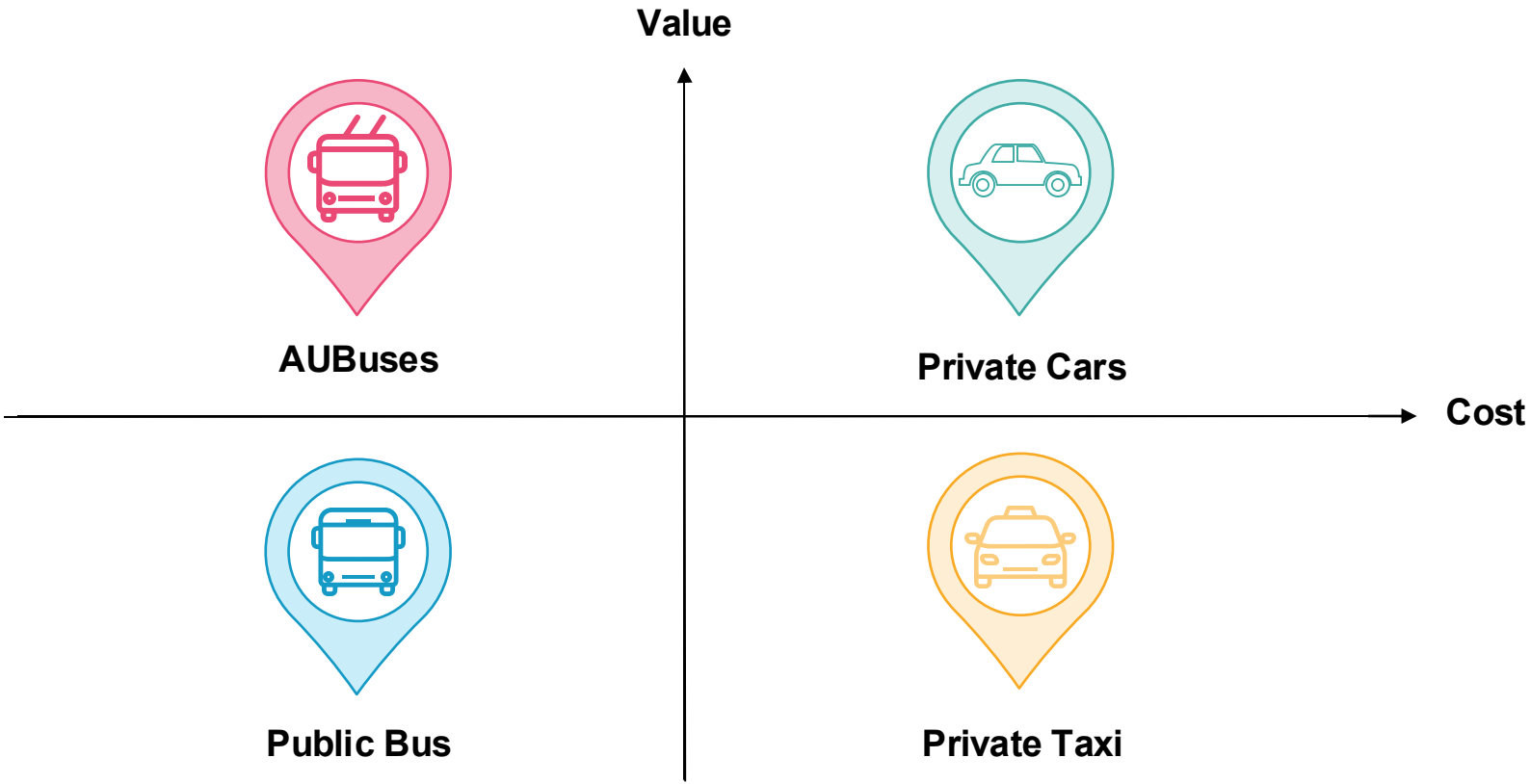
Public Bus
4.5$

AUBuses
7.2$

Private Car
9$

Private Taxi
70$

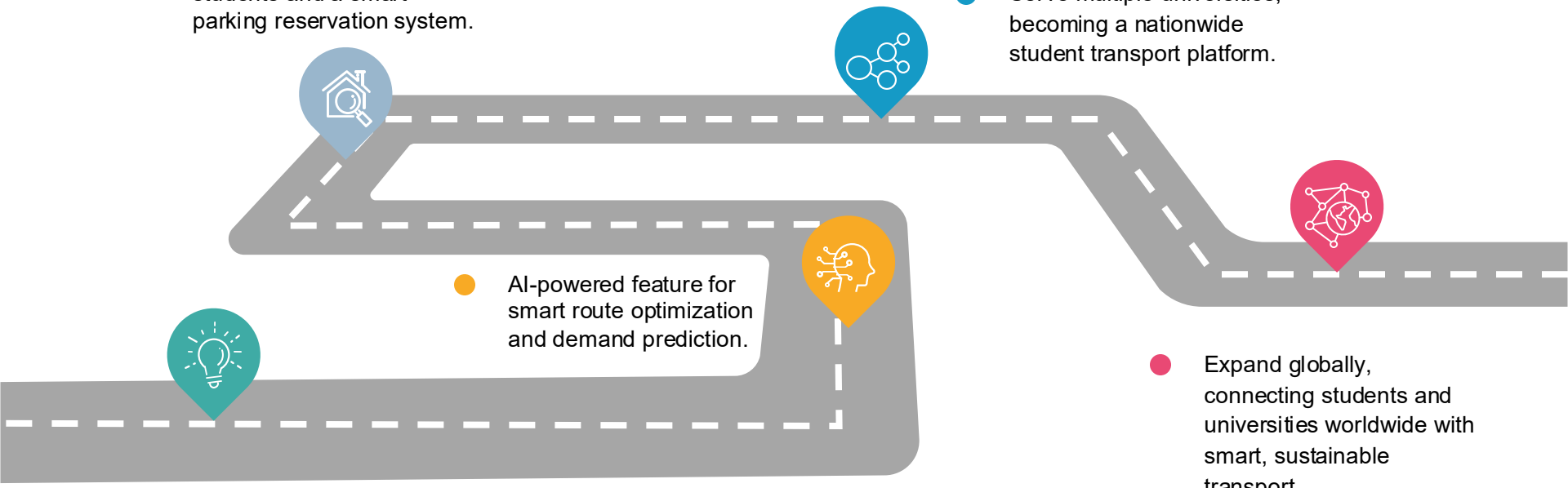
Why AUBuses?



Journey to Smarter Transportation

Dorm options for AUB students and a smart parking reservation system.

Serve multiple universities, becoming a nationwide student transport platform.



AI-powered feature for smart route optimization and demand prediction.

Expand globally, connecting students and universities worldwide with smart, sustainable transport.

Concept-stage student mobility platform to improve transport for AUB students.

Thank you !