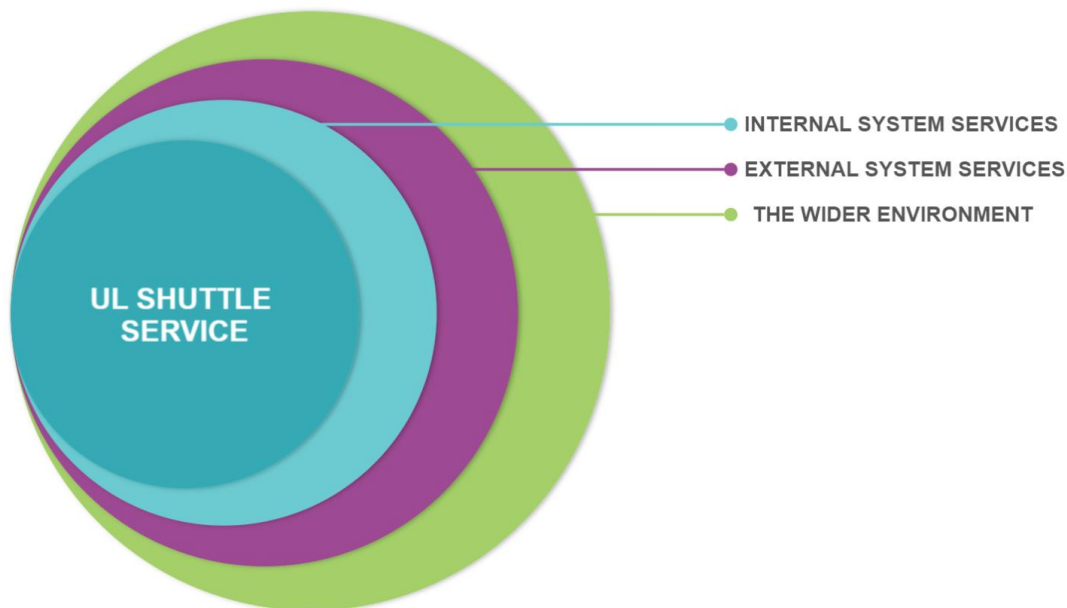


Cs4178 Lab Assignment 1 Group 12

Question1:

Stakeholders



Internal System services

Software Developers – Program autonomous AI.
Maintenance Operator – Mechanic, AI developer.
Operational Support – Roster Coordinator.
Cleaners – Clean buses.
Mechanic – Service mechanical parts of the bus.
Engineers - Design the physical parts of the bus.
Marketing Team – Make Consumers aware

External System services

TFI (National Transport Authority)
Government Investment
University of Limerick

Wider Environment

Students – Commute from College into town for a break.
Commuters - Take the bus from Limerick City to College.
Boycotters (Negative Stakeholder) – People of the community that disagree with the idea.

Investors

TFI (National Transport Authority)

Private travel companies.

Government Investment.

Employees

Software Developers – Program autonomous AI.

Maintenance Operator – Mechanic, AI developer.

Operational Support – Roster Coordinator.

Cleaners – Clean buses.

Mechanic – Service mechanical parts of the bus.

Engineers - Design the physical parts of the bus.

Marketing Team – Make Consumers aware

Suppliers

Fuel Company – Supply sufficient amount of fuel needed.

Motor Supplier – Supply a sufficient amount of good quality parts.

Communities

Students – Commute from College into town for a break.

Commuters - Take the bus from Limerick City to College.

Boycotters (Negative Stakeholder) – People of the community that disagree with the idea.

Government

Corporation tax on private companies.

Tax bonus due to Company Improving the standard of living.

Tax on employee income.

Road Tax.

GOALS

Goals of the company

Create a successful autonomous shuttle service linking the campus with Limerick city centre.

The Company must have regular users to turn a profit.

The Company must follow all laws regarding the business.

The service must be affordable.

The service must be reliable.

Minimize waiting times

fast transport

comfortable/safe form of transport

doors stay open long enough to allow passengers in

avoid people hopping on free of charge

Get funding from developers

Not have homes blighted by noise and traffic

Reduce pollution

Question 2

(A)

| Customer | Amazon | Suppliers | Checkout |
|---|-------------------------------------|----------------------------------|--|
| | Gives list of suppliers | | |
| Chooses order (Select equipment needed) | | | |
| | Gives best offers based on location | | |
| | | Gives offer on customer order | |
| | | | |
| | | Sends customer invoice for order | |
| | | | Pays invoice, prints receipt, and receives goods |

(B)

USE CASE: Buy a bike

PRIMARY ACTOR: Customer (using amazon website)

GOAL IN CONTEXT: Fair price, good quality, reliable service, efficient purchase process, fair return policy, customer to receive the bike in the time period advertised, amazon to receive a payment for their offering, encourage the use of bikes, get more exercise in, take care of the bike,

STAKEHOLDERS AND INTEREST:

Customer: receiving a good quality bike with no issues

Amazon: receiving payment for offering their service

Local bike company: receiving money for selling their good

Postal Company: efficiency transfer of the good

Government: receiving tax for the transfer of the good

Bank: Transfer of money between the accounts



