

Lift2FEUP

Turma 4, Grupo 3

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Project's Idea Description

For this project, we intend to create **a platform where FEUP students can organize shared drives with colleagues**. We have two main goals. The first one is to help students that currently use other methods of transportation but prefer to travel by car finding a way to get lifts to college. The second one is to provide a way to students that already drive to FEUP to split their expenses with colleagues that want a lift.

In this platform, students that drive should be able to make posts about their future trips, and other users should be able to respond to said posts. We want to make a system that is user-friendly and accessible to everyone.

**Related apps /
services / systems**

wheeli

Bolt

Lift

DRIVER

Uber

cabify

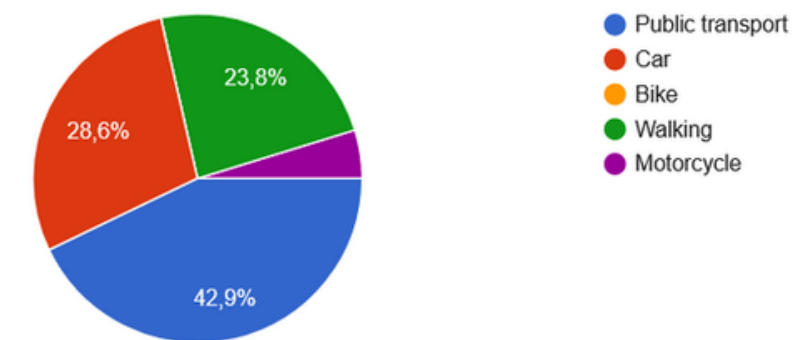
Questionnaire Highlights

Who, How, How many...?

- 21 answers by L.EIC and M.EIC students
- 18-23 years old
- Most used transport: public transport and car
- 57% have a driving license
- 19% share rides to college
- Almost half would share drives
- 85.7% would like a way to organize lifts

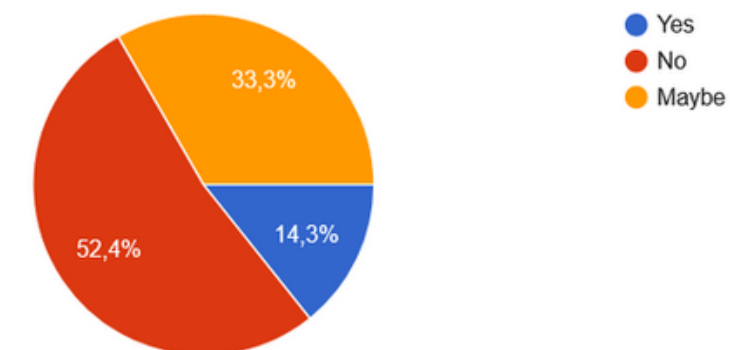
How do you usually go to FEUP?

21 respostas



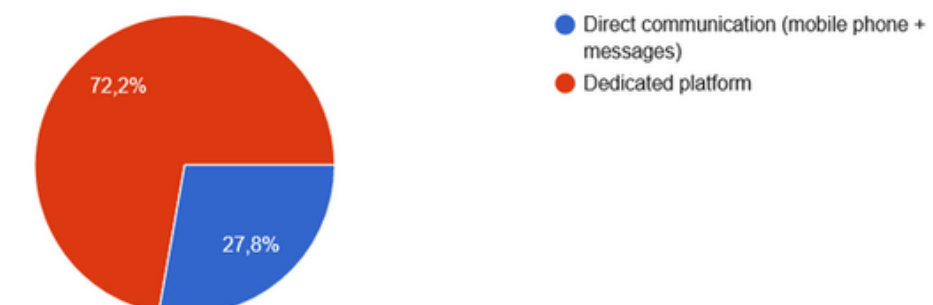
Would you share drives to college with someone you don't know?

21 respostas



In case you're interested in sharing drives with colleagues, what would be your preferred method of communication?

18 respostas



Personas



Age: **18**

Education Level: **currently in bachelor**

Location: **Paredes, Porto**

Driving License: **No**

Preferred devices: **Mobile phone**

Responsible

Funny

Tired

Friendly

Narrative/LifeStyle/Behavioural patterns

Carlos is a second year L.EIC student living in Paredes who has to catch public transport to go to FEUP to have classes. He takes about 50 minutes by bus to get there, so he spends a lot of time, that could be used to study or even relax, commuting. Note that if he could go by car he would only take 20 minutes to arrive. None of his friends have driving licenses, so they can't organize rides among themselves. He doesn't know anyone from Paredes that has classes at FEUP at the same time as him, so he has no alternative other than going by bus.

Objectives/Needs

- He is interested in sharing rides with students from FEUP to go to college.
- He needs to find a quicker alternative to using public transport to go to college.

Frustrations/Pain points

- Doesn't like using public transport to go to college, but he doesn't have a driving license.
- Wants to share rides with others to go to college, but doesn't know anyone that has a driving license and goes to FEUP.

Scenarios

Pedro is a friendly and extrovert FEUP student. He loves cars and drives a Renault CLIO, his favorite model. He hates going on public transport so he frequently goes to university by car. He used to share rides with his classmate Luís where they would split the cost of the trip, but with the increase of gas prices, it's expensive and they can't afford paying that much money. Since he still had 3 sits available in his car he decided to install Lift2Feup and with that app, he found people that lived near him and on the way to FEUP to share the ride and costs with him.



Simplified conceptual model

Objects

- user (username, password, phone_number)
- message (date, text, author, receiver)
- location (name)
- evaluation (evaluation, receiver)
- trip (user, time, number_of_available_seats, cost)
- favorite (user)

Actions

- create, edit, delete trip
- add evaluation to past trip
- add and remove a user as a favourite
- show interest in joining an available trip
- accept users that showed interest in joining the trip
- share user details
- search trips
- filter trips by location and time
- send messages

Relations

- user sends message to other user (driver)
- A trip starts in a location
- A user adds other user as favourite
- A user adds evaluation to a trip
- A user can have several trips

Functionalities and Tasks

Functionalities

- Create account
- Make a post of a trip
- Edit post (number of seats left, starting place, travel time, cost)
- **Show interest in posts**
- Rate drives
- **Favorite other users**
- Send private messages
- Accept or deny lift requests
- Search trips
- **Filter posts**
- Order trips by cost

Tasks

- Show interest in the cheapest trip
- Filter trips by location and date
- See if a driver that is favorited by the user has rides available

Usability requirements

Task 1 - Show interest in the cheapest trip

Efficacy - 80% of users performed the task with less than 2 errors

Efficiency - Average time of 1 minute and 5 clicks

Satisfaction - 65% of users found this helpful

Task 2 - Filter trips by location and date

Efficacy - 90% performed this task without any errors

Efficiency - Average time of 2 minutes and 20 clicks

Satisfaction - 90% of users trusted our filtering options

Task 3 - See if a driver that is favorited by the user has rides available

Efficacy - 75% of users performed this task with less than 2 errors

Efficiency - Average time of 3 minute, less than 10 clicks

Satisfaction - 80% of users found this feature useful

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