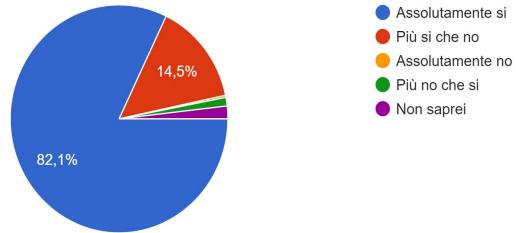# UniverCity

*Find more Study better*

# Target

**Our target -** university students between 19 and 25 years old

We deployed a form with a series of questions to collect different points of view from our future users.
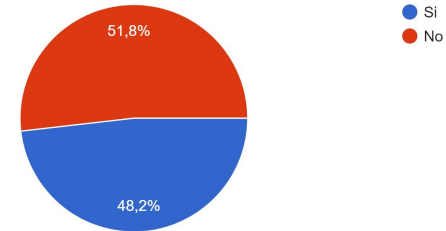
# Data Analysis

Ti piacerebbe avere tutti gli appunti che vuoi in un unico servizio e che questi siano liberamente accessibili?

330 risposte



- Assolutamente si
- Più si che no
- Assolutamente no
- Più no che si
- Non saprei

82,1%

14,5%

Trovi difficile recuperare appunti ed esercizi per gli esami che stai preparando?
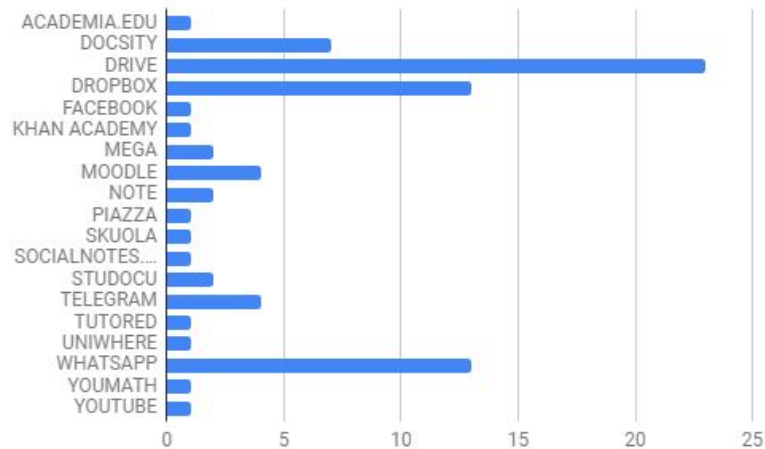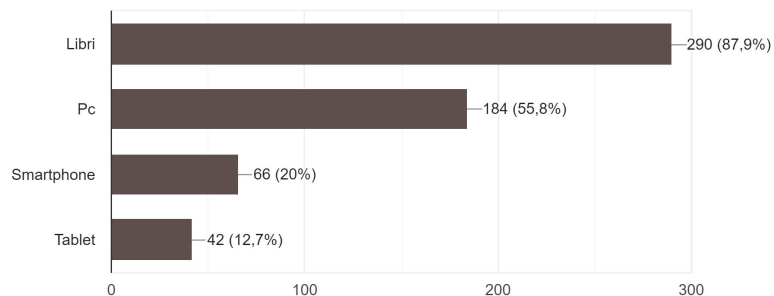
330 risposte



- Si
- No

51,8%

48,2%

# Data Analysis

## Quale strumento usi di solito per studiare?
330 risposte

# Needs

- Difficulty in finding notes
- Slow and inefficient research of notes
- Not-homogeneous quality of notes

# Possible Solution

- Free service

- Good indexing of notes

- Ease on finding notes also from other Universities

- Evaluation system of notes

# Main Features

## Note Mashup

- Initially manual, will create on request a mashup of the best notes regarding one subject. in future will manually regroup their favourites notes in one file.
- Notes evaluation based on: users rating, # downloads, time spent on the note

## Roadmap

- Milestone #2: manual implementation
- Milestone#3: automatic implementation

# Main Features

## Automatic management of tags

- Documents search based on Tags
- Documents stored according to Tags

## Roadmap

- Milestone #2: manual implementation
- Milestone#3: automatic implementation

# Main Features

## Digital Sign of Notes

- System will mark a posted document with a digital sign that will prevent the storage of copies in the databases.

## Roadmap

- Milestone #2: code available

# Competitors

| | UniverCity | Drive | Mega | DropBox | Moodle | Piazza | Skuola.net | Docsity |
|---|---|---|---|---|---|---|---|---|
| Ease in reaching notes | ✅ | ❌ ** | ❌ ** | ❌ ** | 🟠 | 🟠 | 🟠 | ✅ |
| Ordered Notes(******) | ✅ | ❌ | ❌ | ❌ | 🟠 **** | 🟠 **** | 🟠 | ✅ |
| Access to notes without signing In | ✅ | ✅ | ✅ | ✅ | ❌ | ❌ | ❌ | ❌ |
| Free notes | ✅ | ✅ | ✅ | ✅ | 🟠 *** | ✅ | ❌ | 🟠 ***** |
| Unlimited space | ✅ | 🟠 * | 🟠 * | 🟠 * | 🟠 | 🟠 | ✅ | ✅ |

\* it's possible to buy more space

\*\*sometimes to reach a resource it's necessary to receive the authorization from the owner

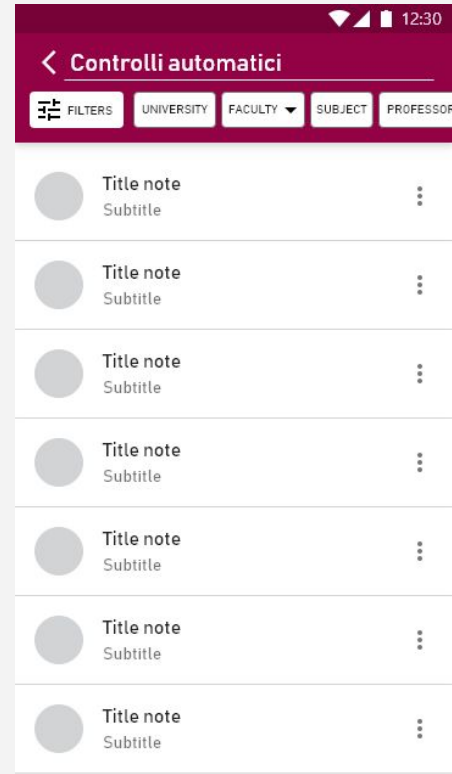\*\*\*it's free, but only students from "La Sapienza" can use it

\*\*\*\*sorted by class only

\*\*\*\*\*alphabetical order of notes
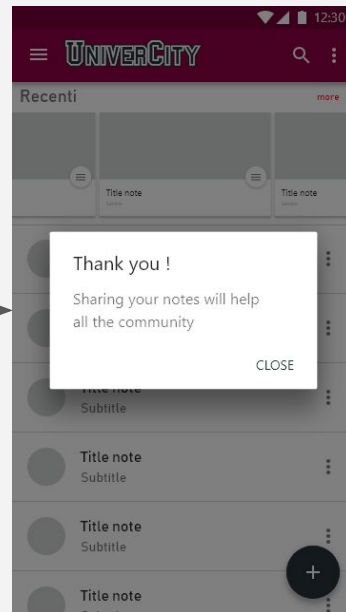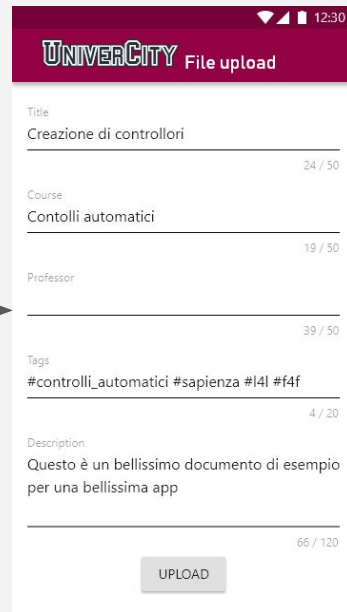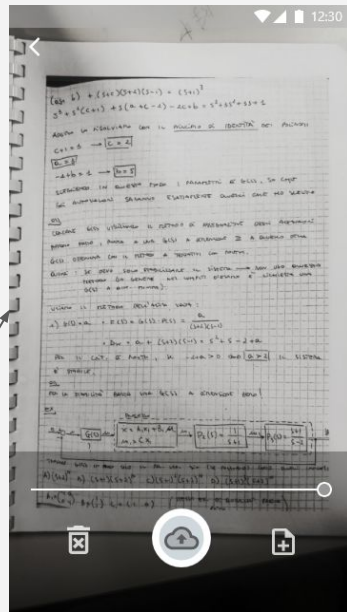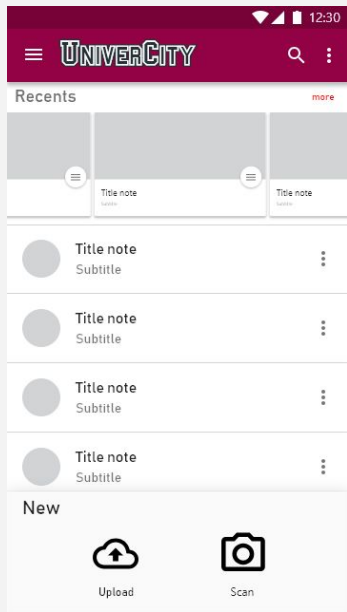
\*\*\*\*\*\*efficient indexing (tag)

# Scenarios

I want to search for notes that I can't find anywhere else, and filter them by University, Faculty, Professor etc. Can I?
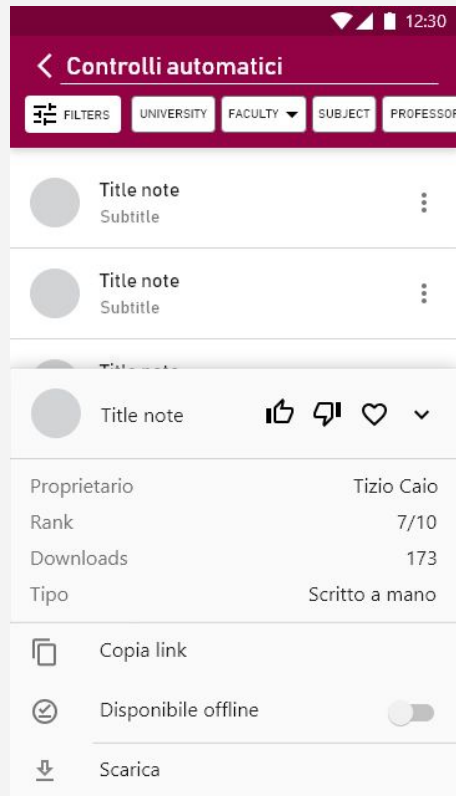
# Scenarios

I want to upload some notes saved on my device. I also want to upload a note that I just wrote on paper. How can I do?
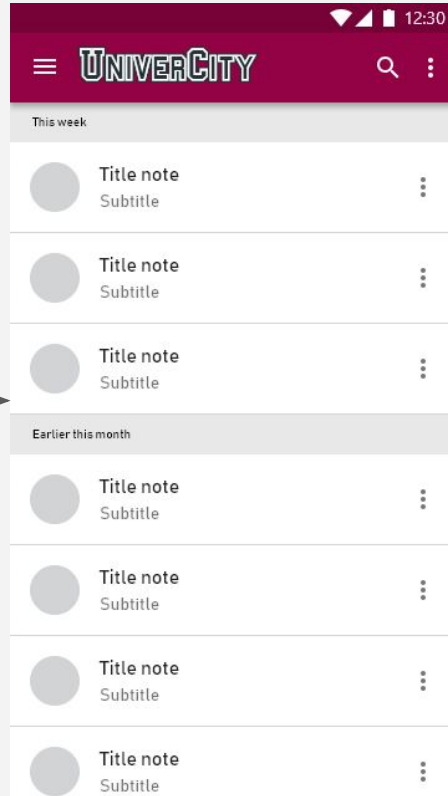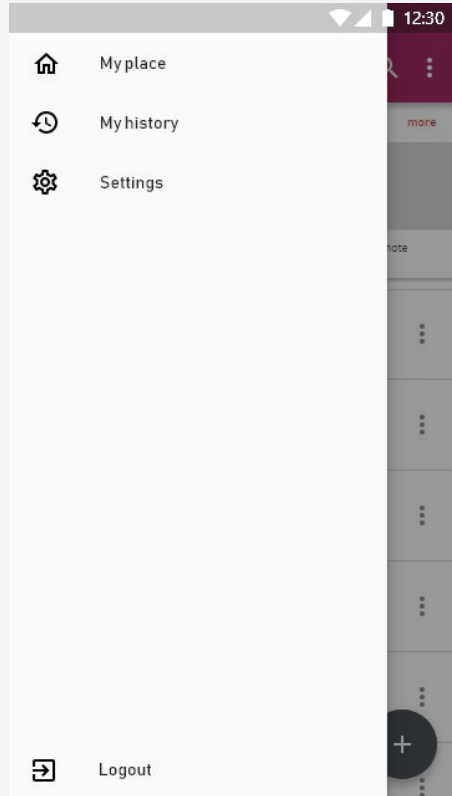
# Scenarios

I want to save a note as a favourite and I want to see it anytime without downloading it. Can I?

I just found this note and I want to share it with a friend through a link.       Is it possible?
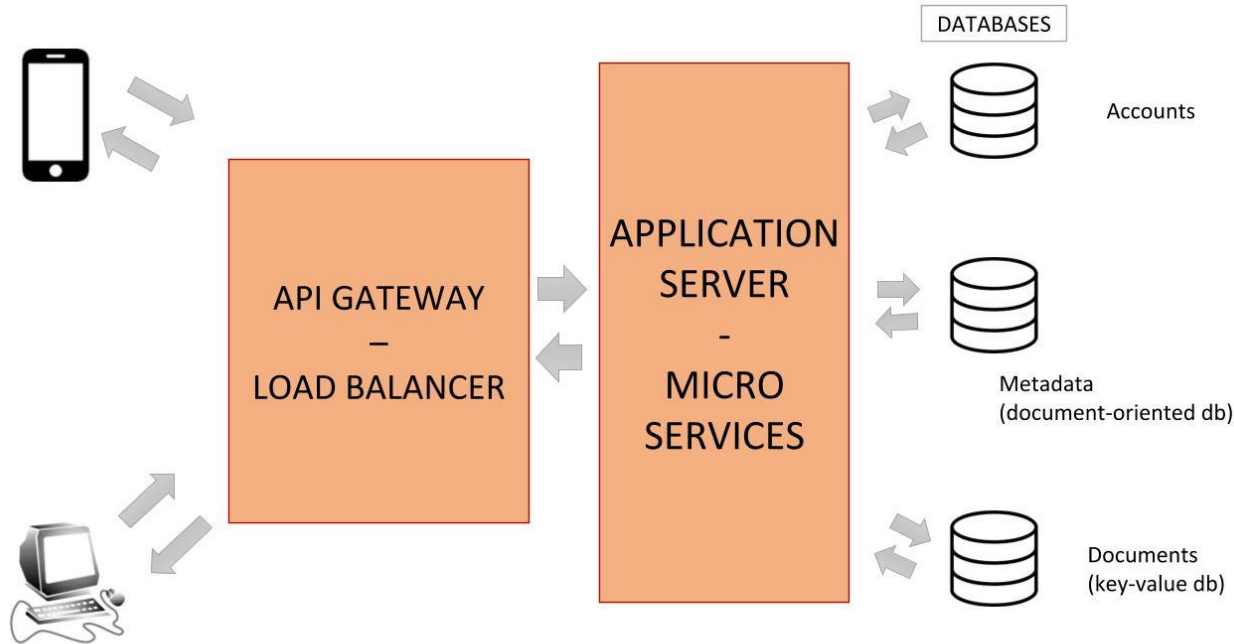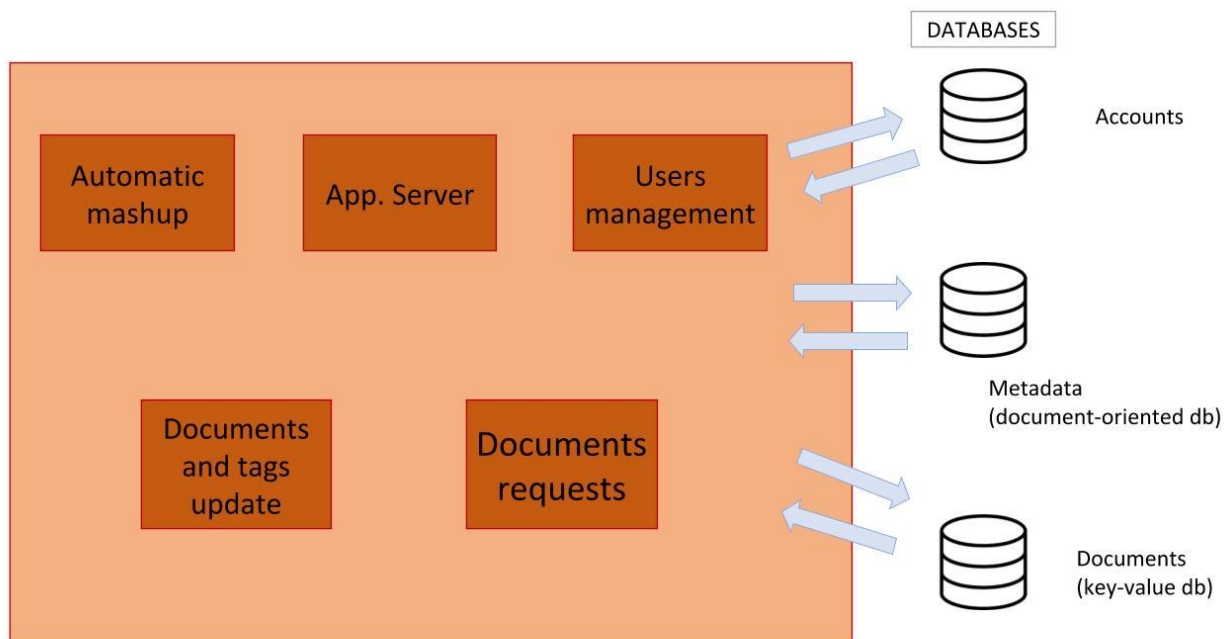
# Scenarios



I read a note a few days ago, but I don't remember its name or who wrote it. Can I recover it?

# Architecture



- A service that will act as API Gateway, Load Balancer and a proxy Server for environment's security
- We chose a micro services based application servers layer

# Architecture



- **App Server:** manage the page request
- **User Management:** sign up and sign in process.
- **Automatic Mashup:** can mashup different notes.
- **Document Request:** return a document on request.
- **Docs and Tag Update:** will update docs and relative metadata, including removal.

# Our team

## TIZIANO COLAGROSSI

Milestone #1

- Mockup
- Presentation
- Survey
- Data Analysis

Next milestone:

- Web & App Design
- App Client Development

## COLLALTI MARCO

Milestone #1

- Survey
- Data Analysis

Next milestone:

- Client-Server interaction

## DAVIDE BRIAN DI CAMPI

Milestone #1

- Survey
- Data analysis
- Github management

Next milestone:

- Client-server interaction

# Our team

## DILOLLO MICHELE

**Milestone #1**

- Survey
- Competitors research
- Architecture analysis

**Next milestone**

- Database development
- Microservices development

## MEDRIHAN LUCIAN

**Milestone #1**

- Survey
- Mockup

**Next milestone:**

- Web & App Design
- Web client development

## PAGLIUCA RICCARDO

**Milestone #1**

- Survey
- Architecture analysis

**Next milestone**

- Database development
- Microservices development

# Lean canvas (something old and something new)

| PROBLEM | SOLUTION | UNIQUE VALUE PROPOSITION | UNFAIR ADVANTAGE | CUSTOMER SEGMENTS |
|---|---|---|---|---|
| 1) Difficulty in finding notes<br>2) Slow and inefficient research among large data<br>3) Non-homogeneous quality of notes | 1) One tool<br>2) Automatic tag management<br>3) Automatic mashup between the best parts of the notes on the same themes | 1) Very easy to use<br>2) Easy to find and share notes<br>3) Free (as far as possible)<br>4) Automatic mashup always updated<br>5) Possibility to see the notes online even without registering, but with restricted privileges | 1) Mashup algorithm<br>2) Algorithm for automated tag management | Primary User:<br>- all university students<br><br>Secondary User:<br>- university professors |
| | **KEY METRICS**<br><br>1) N. of notes uploaded<br>2) N. of notes dowloaded | | **CHANNELS**<br><br>1) Social network<br>2) University | |
| **EXISTING ALTERNATIVES**<br><br>1) Studocu<br>2) Docsity | | **HIGH-LEVEL CONCEPT**<br><br>UniverCity = Instagram, but search focused on notes instead of people's images | | **EARLY ADOPTERS**<br><br>Some students who need help to find notes to study for a university exam |

**COST STRUCTURE**

Maintenance cost of network architecture

**REVENUE STREAMS**

1) Donations
2) Sale of data
3) Account premium (maybe)
4) Sponsor (maybe)

# Contacts & links

Email - univercitystats@gmail.com

GitHub - https://github.com/davidedc97/UniverCity.git

Interactive mockup (mobile) - here

Interactive mockup (web) - here

Online slides with animated scenarios - here