UniverCity

Find more Study better

Target
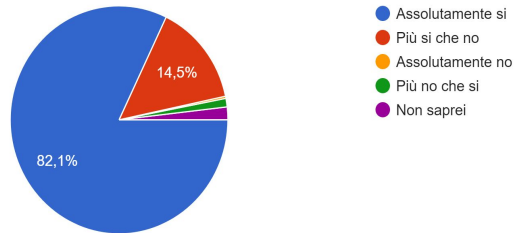
Our target - university students

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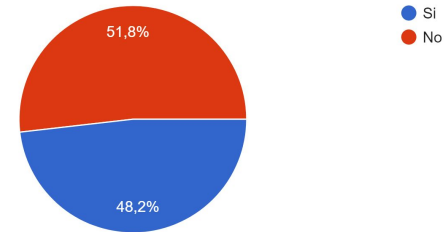
Data Analysis

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?
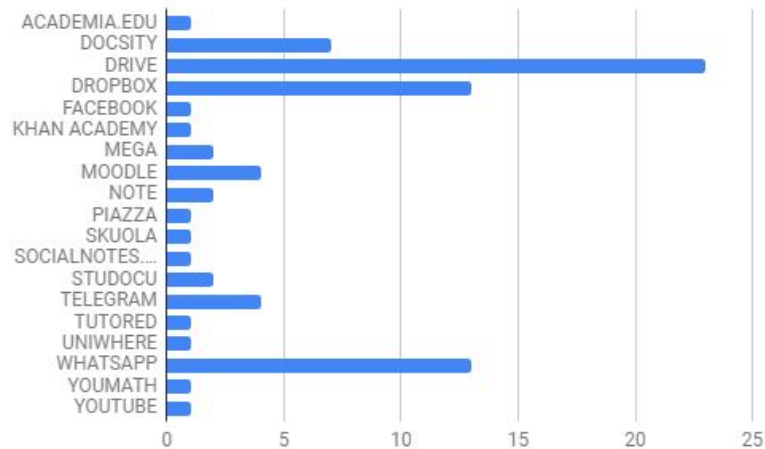
330 risposte

- Si
- No

51,8%

48,2%
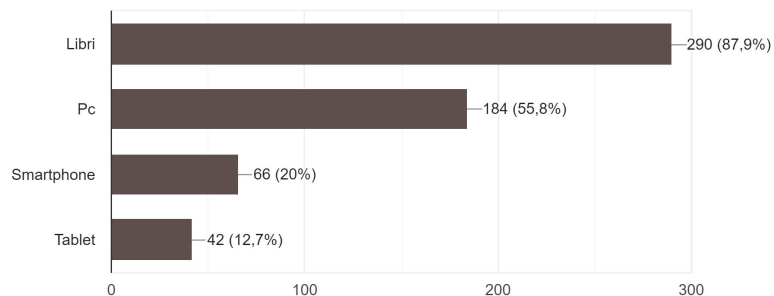
Data Analysis

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

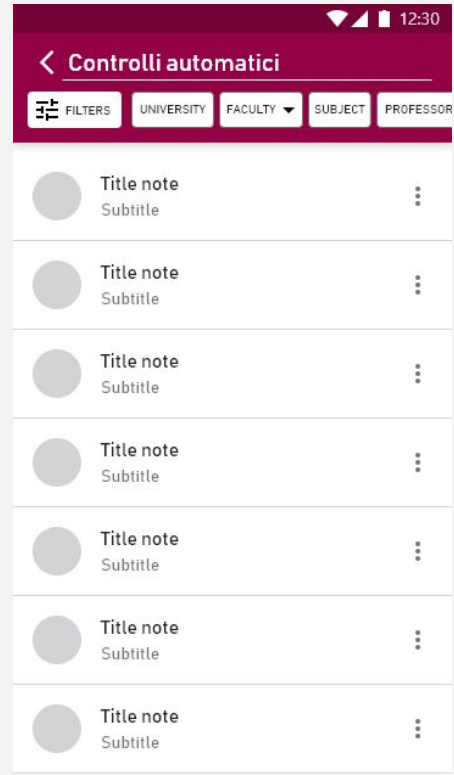***it's free, but only students from "La Sapienza" can use it

****sorted by class only

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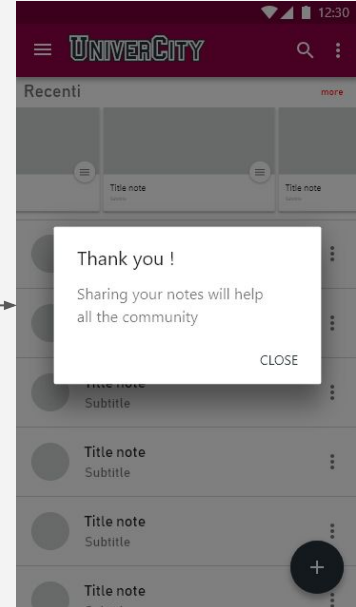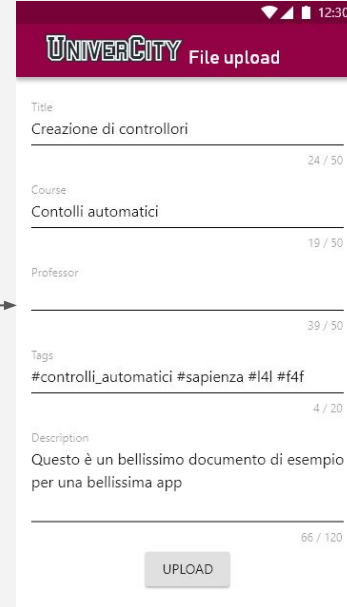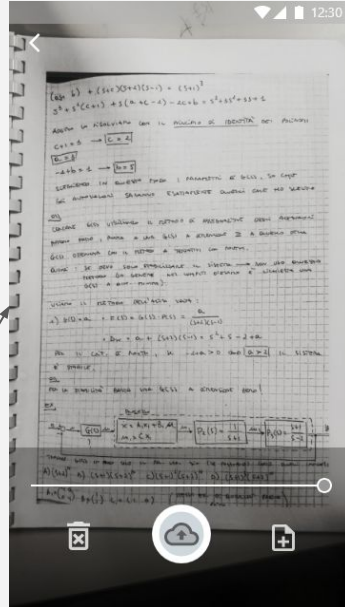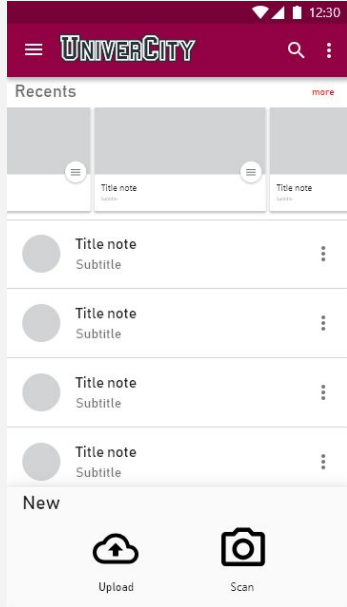
******efficient indexing (tag)

Scenarios

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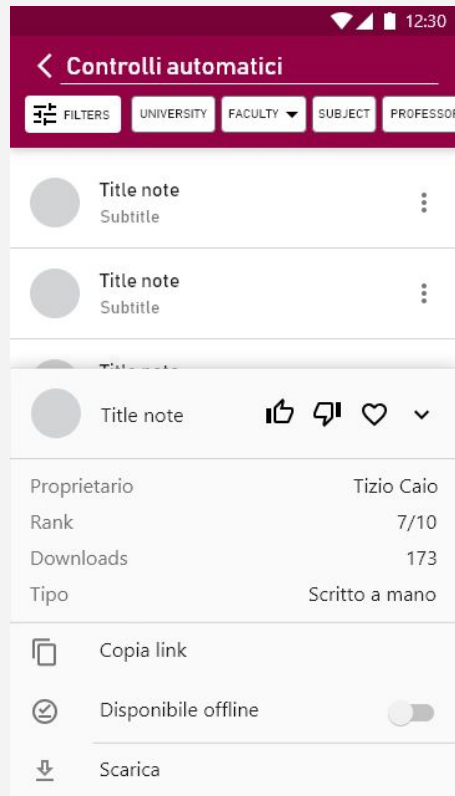
Scenarios

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?
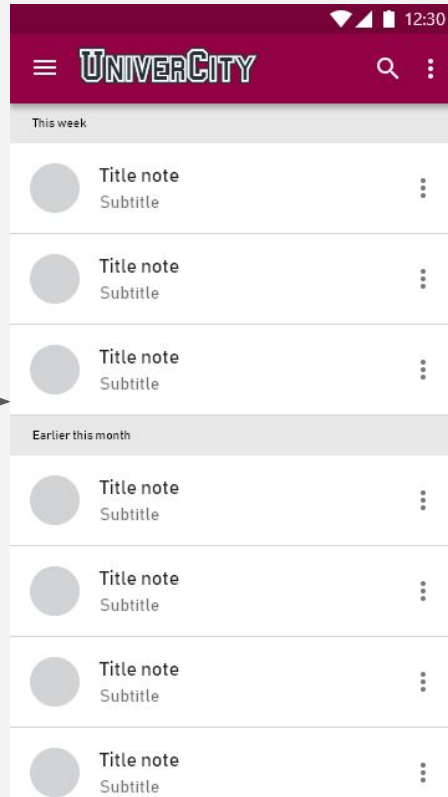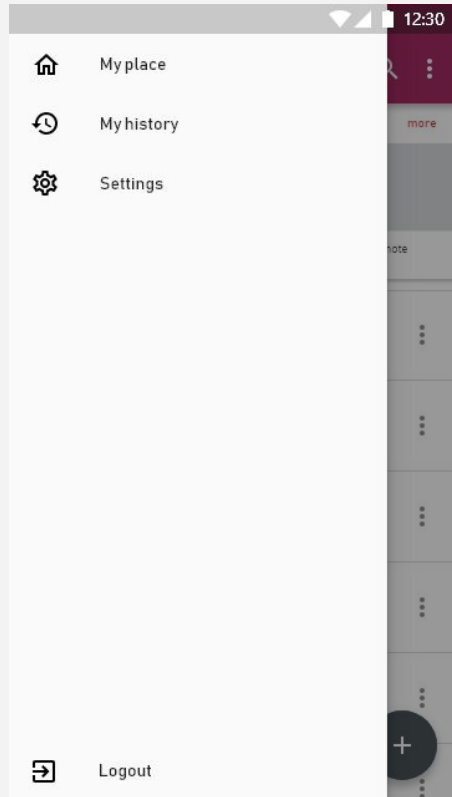
Scenarios

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?
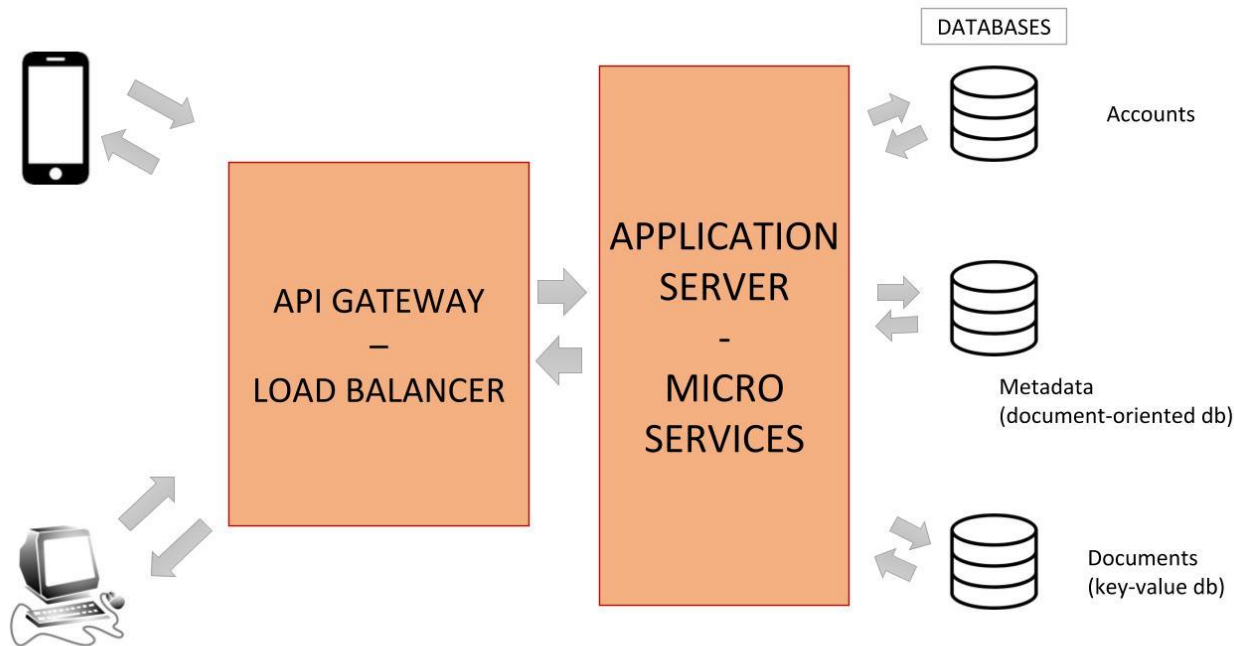
Scenarios

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

Architecture

DATABASES

API GATEWAY – LOAD BALANCER

APPLICATION SERVER - MICRO SERVICES

Accounts

Metadata (document-oriented db)

Documents (key-value db)

- A service that will act as API Gateway, Load Balancer and a proxy Server for environment's security
- We've chosen a microservices-based architecture

Architecture

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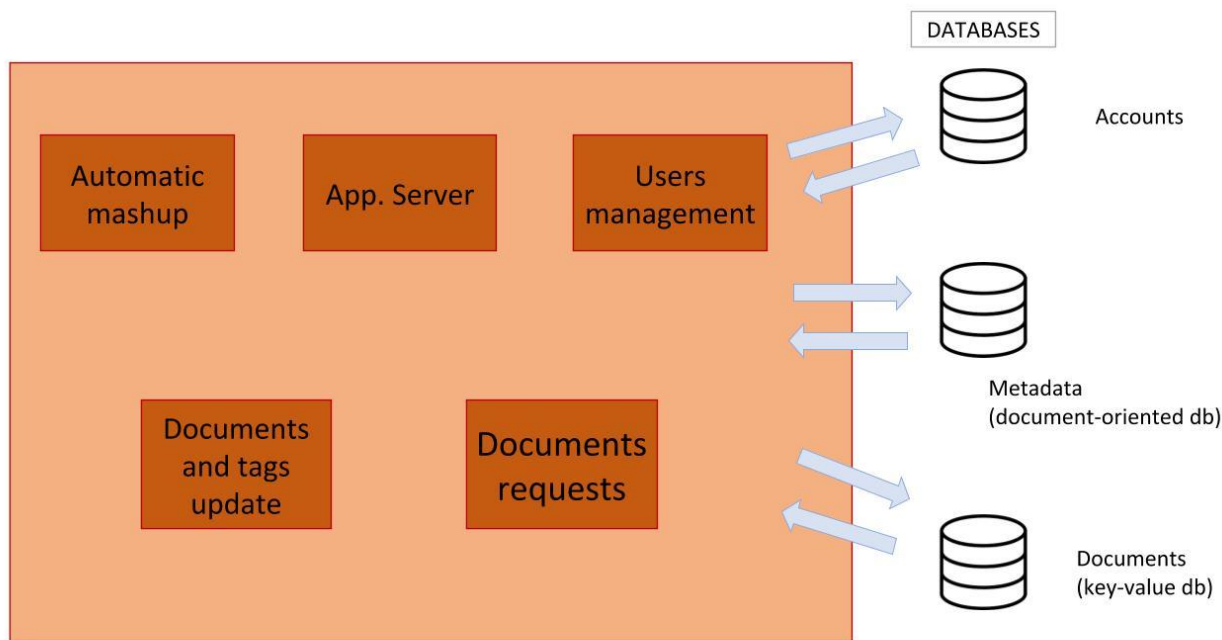
- **App Server:** manage the page request
- **User Management:** sign up and sign in process.
- **Automatic Mashup:** can mashup different notes.
- **Document Request:** return a document on request.
- **Docs and Tag Update:** will update docs and relative metadata, including removal.

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

1) Difficulty in finding notes
2) Slow and inefficient research among large data
3) Non-homogeneous quality of notes

EXISTING ALTERNATIVES

1) Studocu
2) Docsity

SOLUTION

1) One tool
2) Automatic tag management
3) Automatic mashup between the best parts of the notes on the same themes

KEY METRICS

1) N. of notes uploaded
2) N. of notes dowloaded

UNIQUE VALUE PROPOSITION

1) Very easy to use
2) Easy to find and share notes
3) Free (as far as possible)
4) Automatic mashup always updated
5) Possibility to see the notes online even without registering, but with restricted privileges

HIGH-LEVEL CONCEPT

UniverCity = Instagram, but search focused on notes instead of people's images

UNFAIR ADVANTAGE

1) Mashup algorithm
2) Algorithm for automated tag management

CHANNELS

1) Social network
2) University

CUSTOMER SEGMENTS

Primary User:
- all university students

Secondary User:
- university professors

EARLY ADOPTERS

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