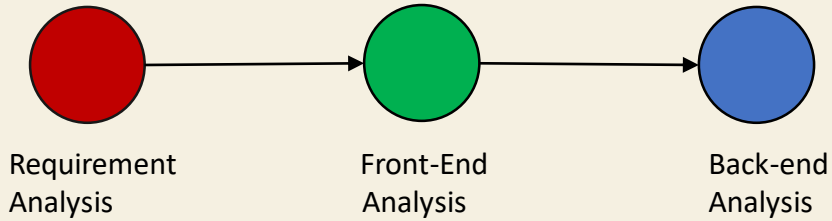
Introduction

- Our presentation is split into 3 parts



- So far, we talked about how our system should be,
- Now, we will explain what our system **must** do
- Let’s get started …

Functional Requirements Overview

UniPoll Functional Requirements

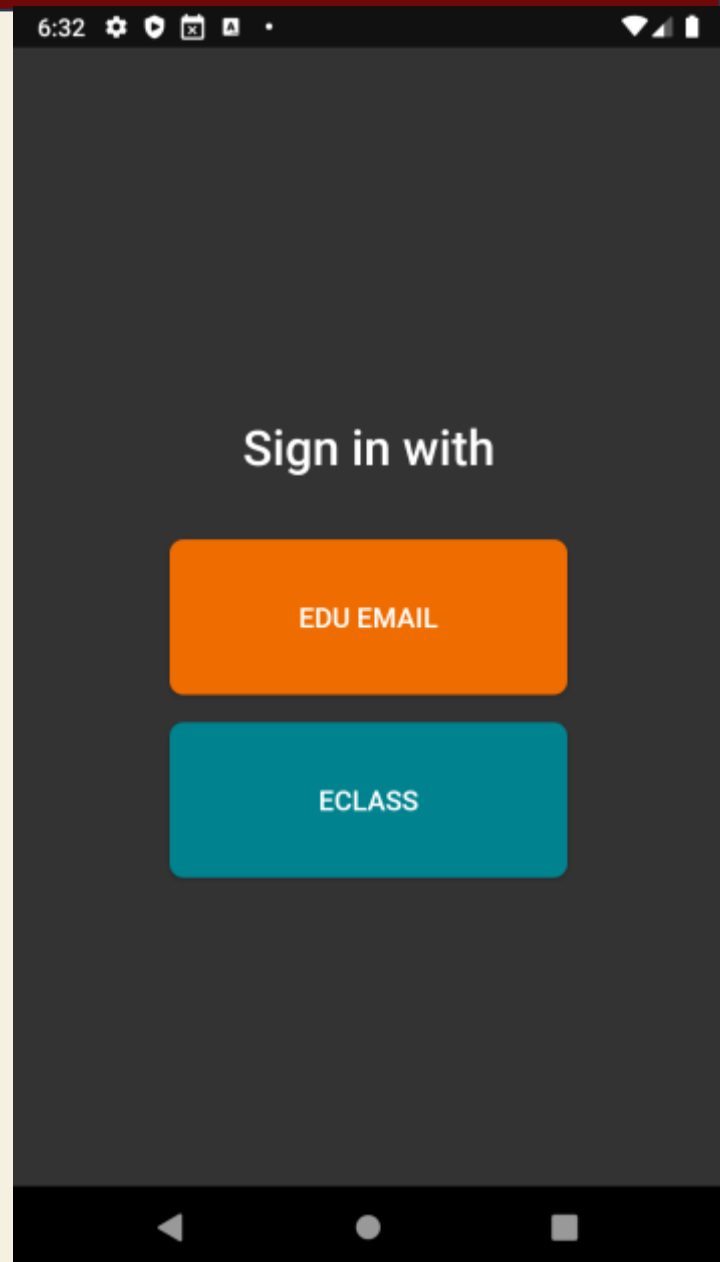
1. **User Authentication**
2. **Poll creation by superUsers**
3. **Send PushNotifications**
4. **Poll voting by students**
5. **Produce Statistics**

Requirement 1/5

User Authentication

Our application must have a page that allows our users to sign in.

- School Email authentication
- Open-Eclass authentication



Requirement 2/5

Poll creation by superUsers

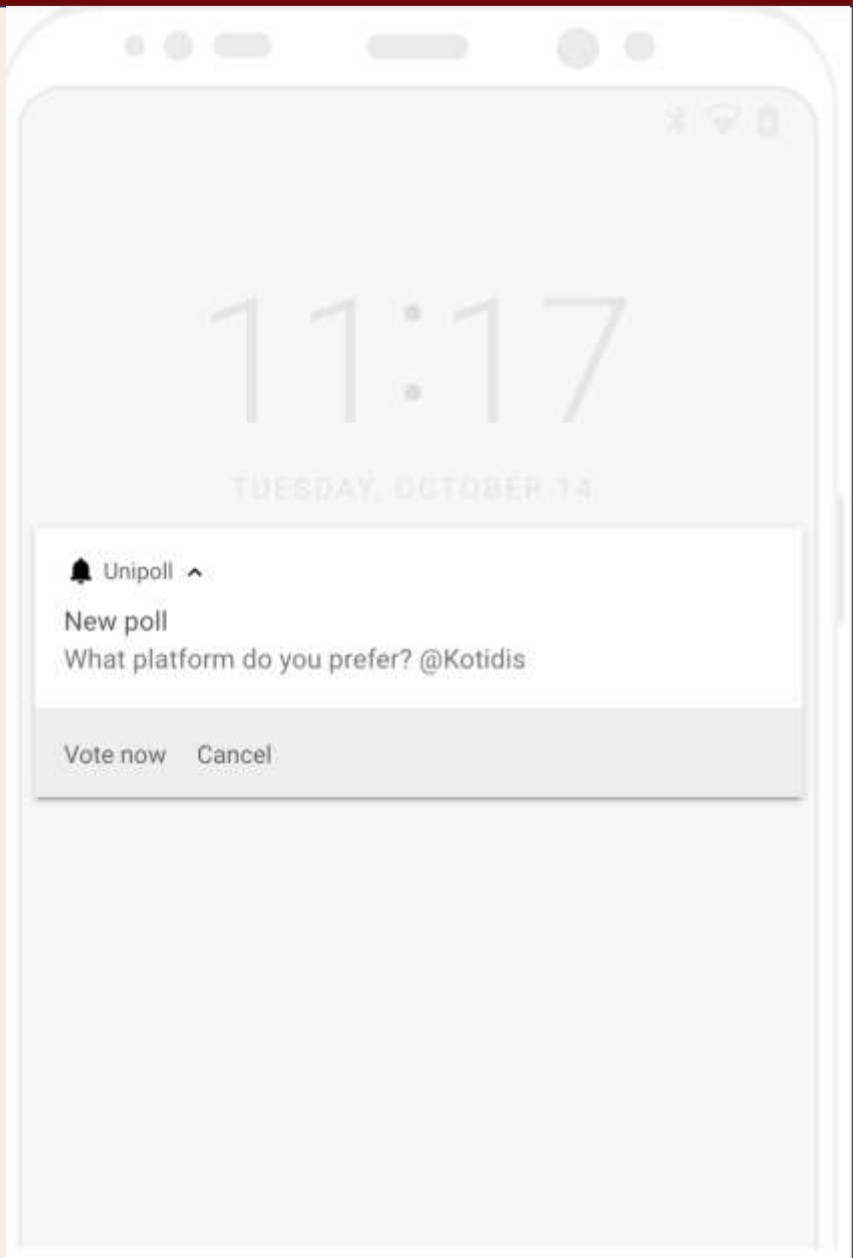
Our application must support Poll creation and storage.

- First, we will determine who will be able to create polls
- Then, we will allow these users to create private groups

Requirement 3/5

Send PushNotifications

Our users must be notified when their professors create a poll.

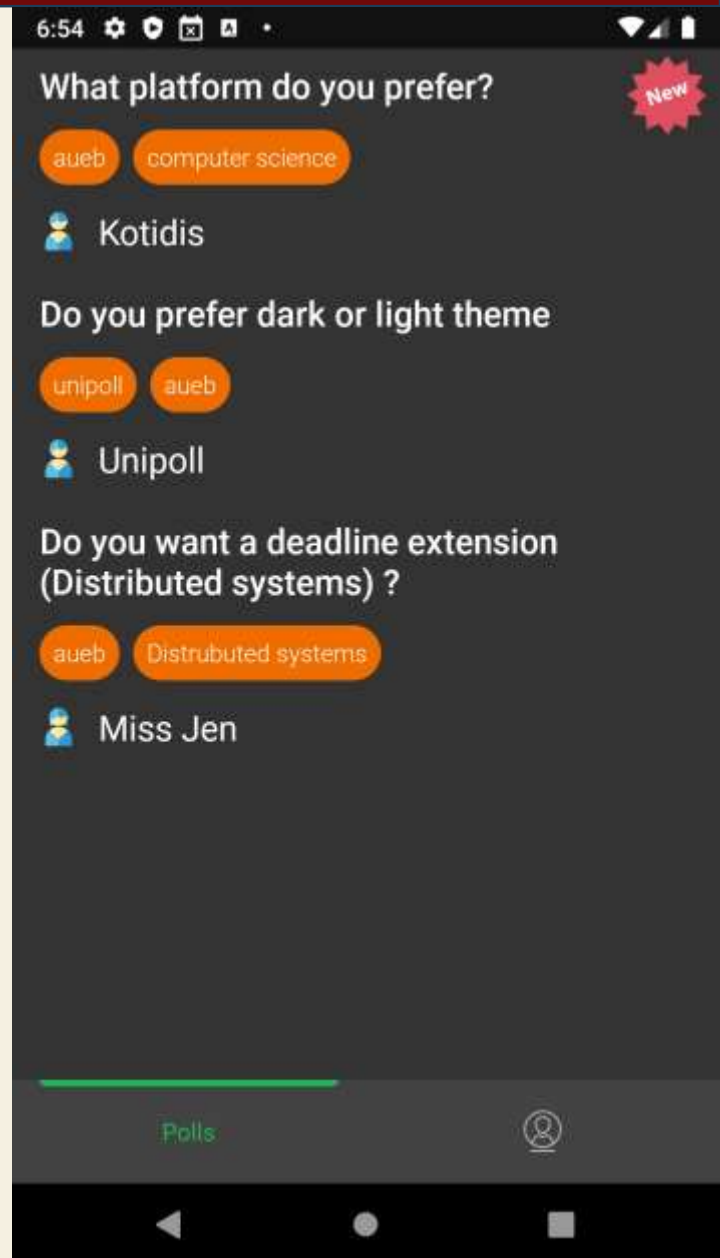


Requirement 4/5

Poll Voting

Users will have a list of polls they can answer

- The order of the list will load dynamically
- The list can be sort by date or group

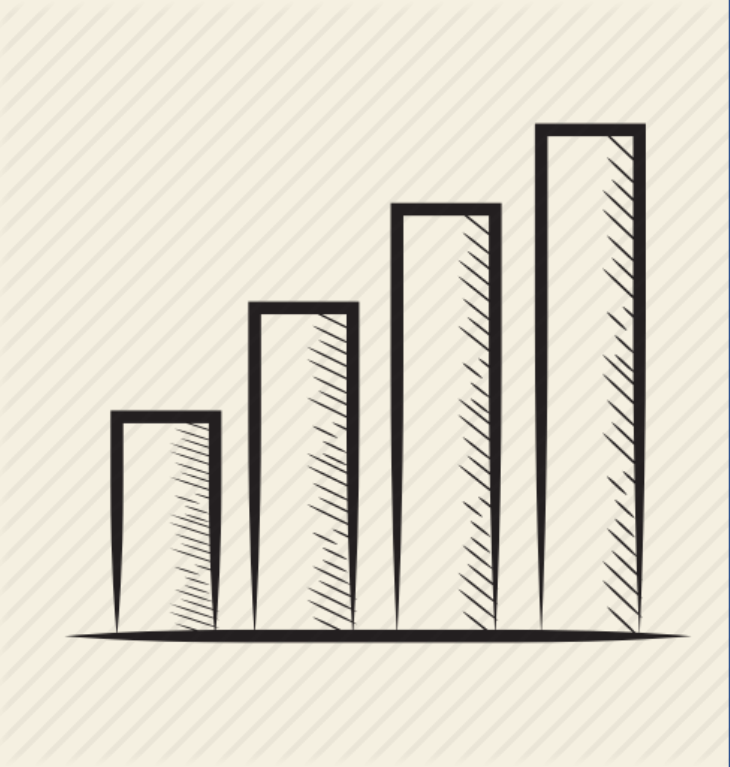


Requirement 5/5

Produce Statistics

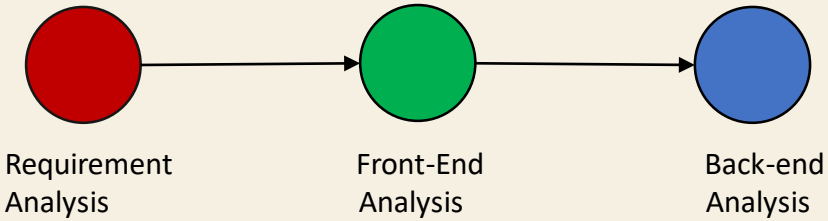
Finally, after a successful poll we need to produce some statistics

- Anonymous statistics will be sent to the teacher via email
- Live statistics will be displayed when our app is finished



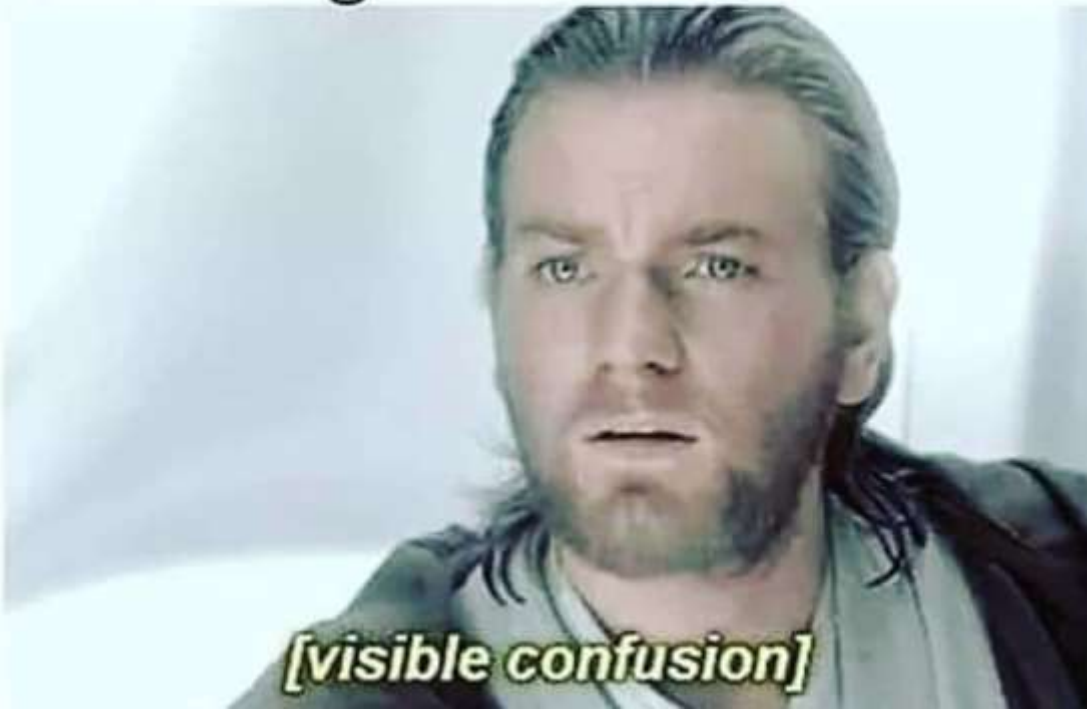
Next

- It’s time to proceed to the next part …



Decimal System: 1+1=2
Binary System: 1+1=10
Boolean Algebra: 1+1=1

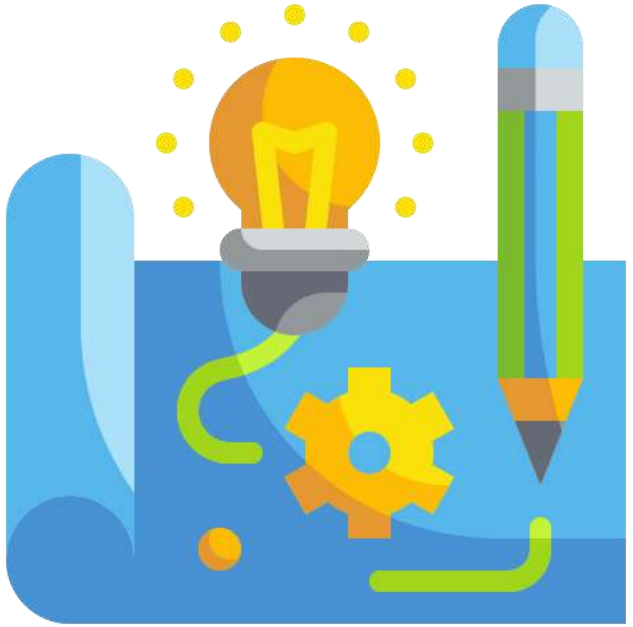
Non-Programmers:



Mobile frameworks

Programming languages

Architectural design



MVVM

Model-View-Viewmodel

MVVM benefits

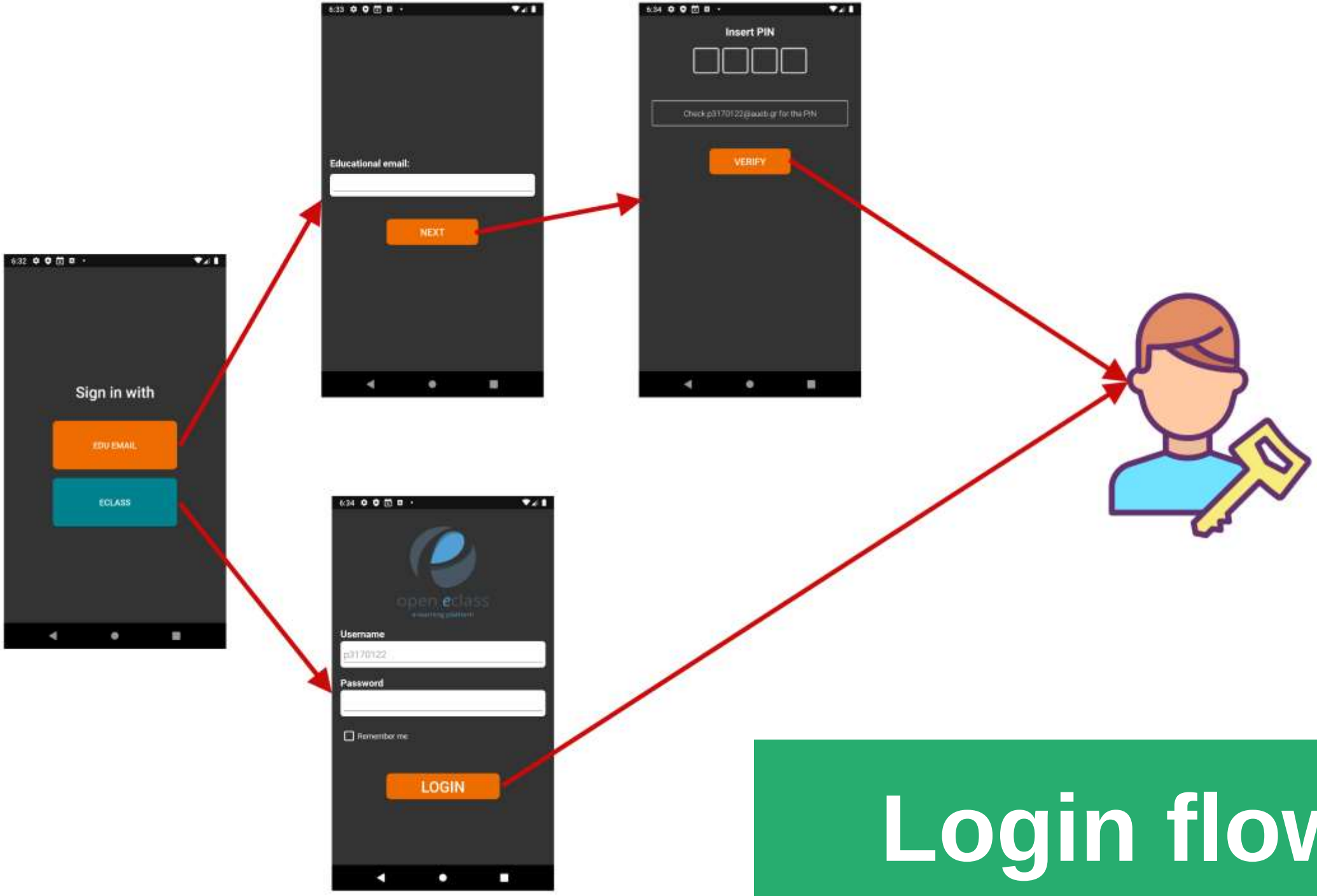
Makes it a better open-source. It can be understood by others

Helps in testing procedure

Code-base will not become spaghetti

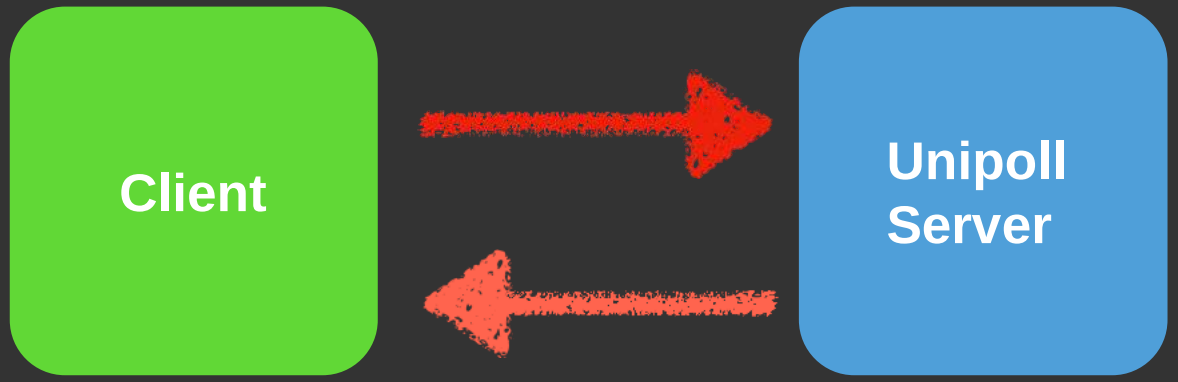
Version control

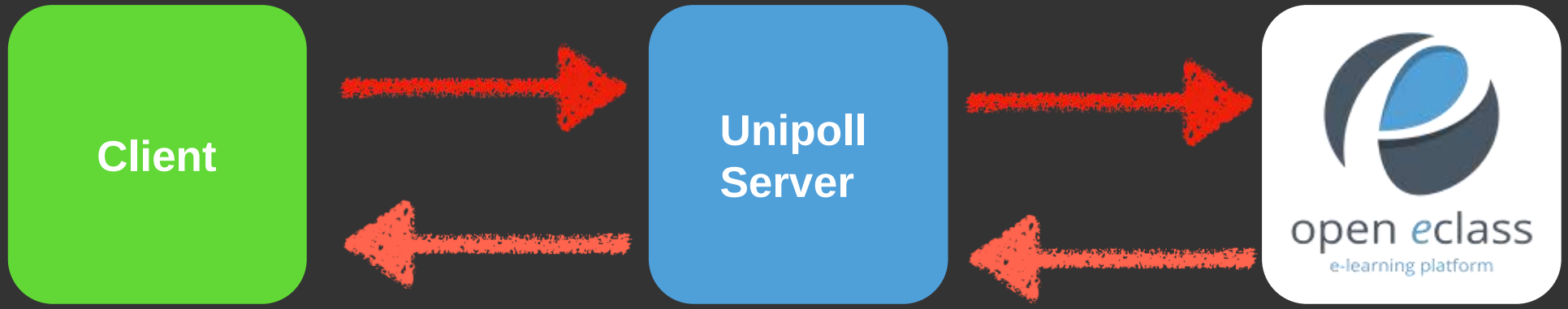
- https://github.com/jennybolena/UniPoll
- https://github.com/Nikoloutsos/uniPoll_Android


Sign in with
EDU EMAIL
ECLASS
Educational email:
NEXT
Insert PIN
VERIFY
Username
Password
Remember me
LOGIN

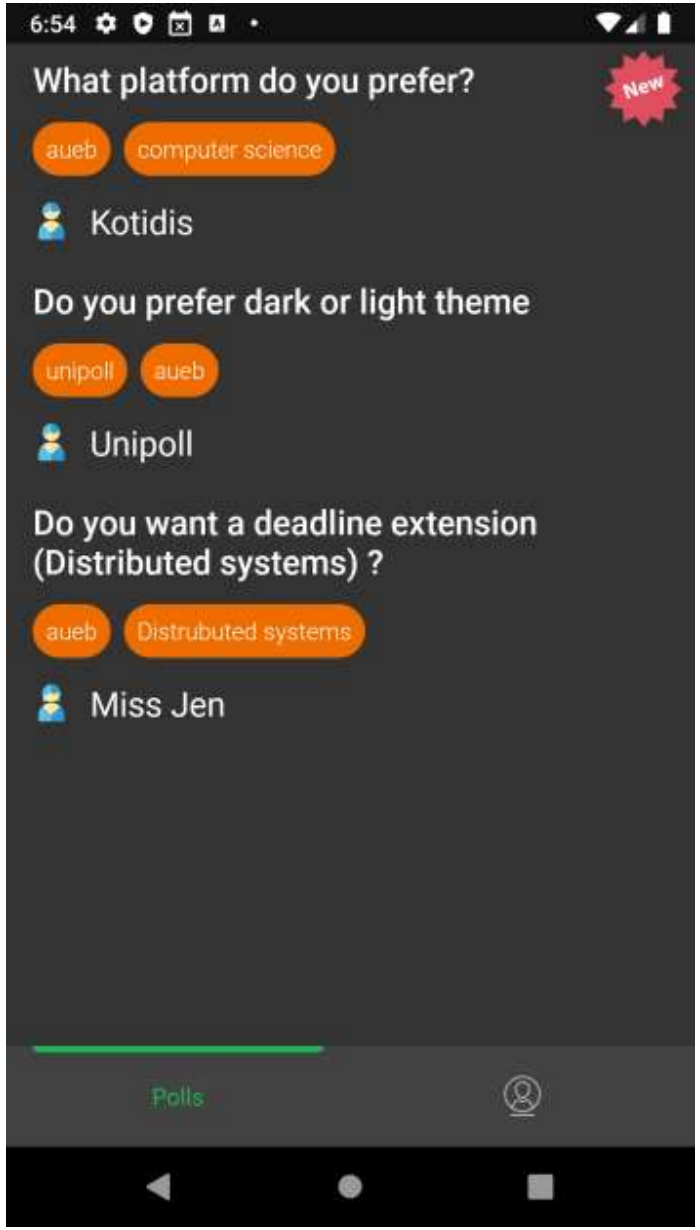
Login flow

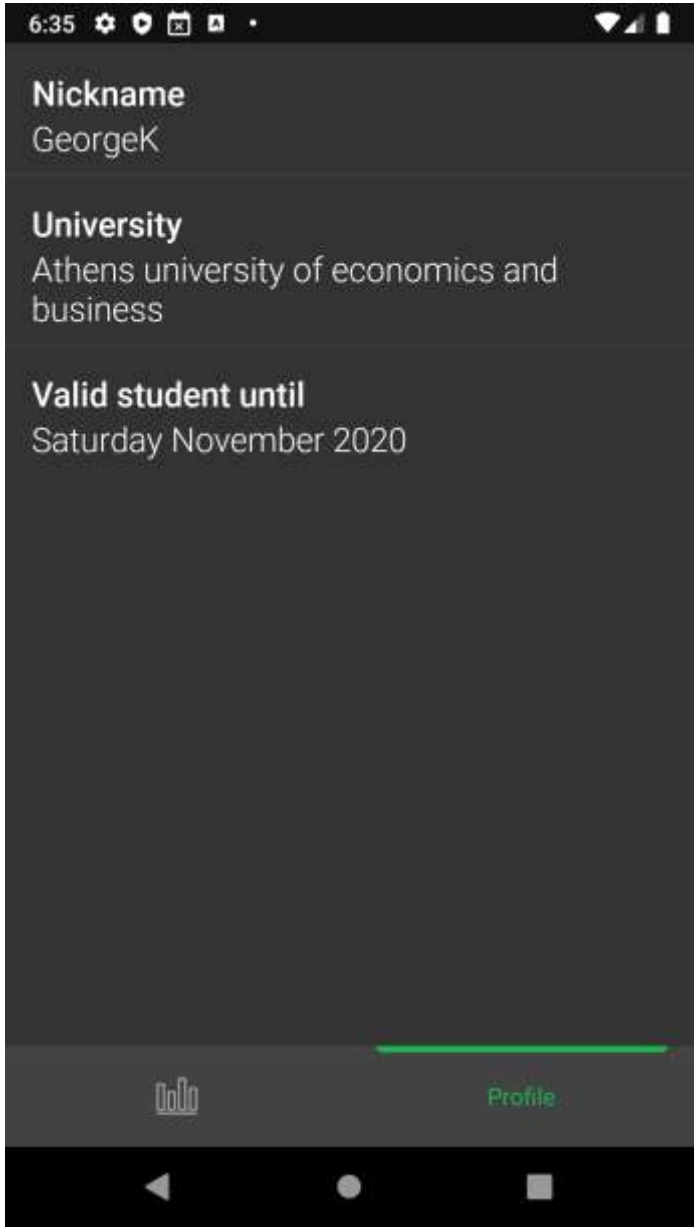
Bird’s eye view



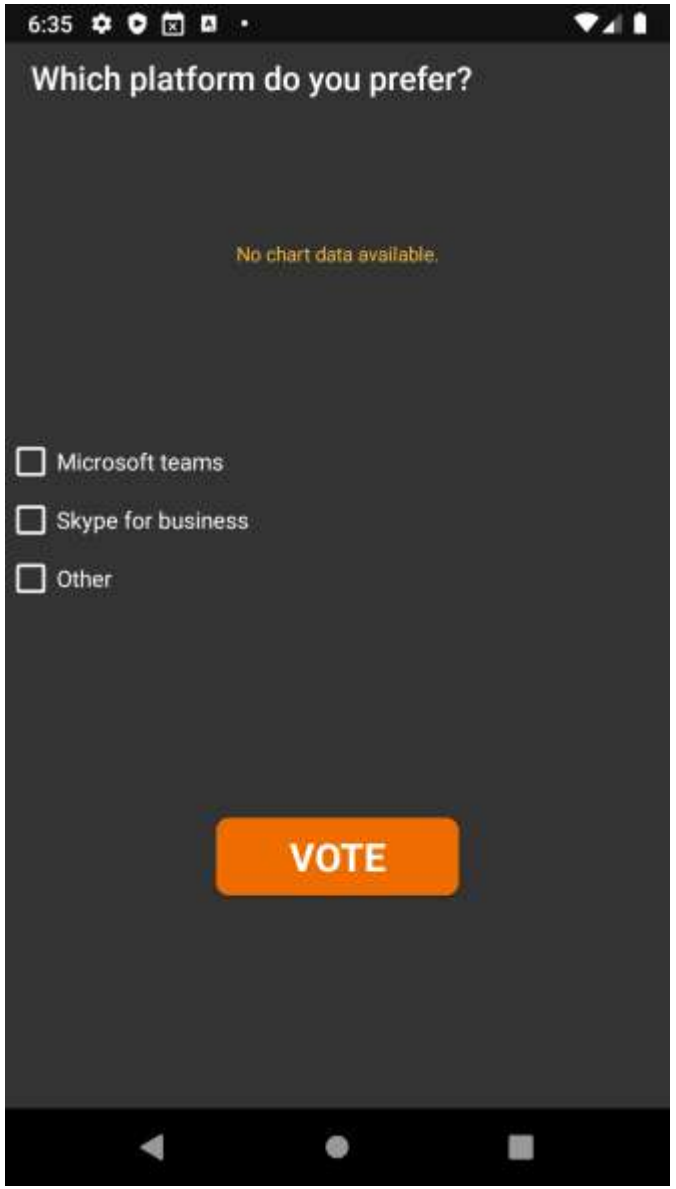


Main screen


6:54
What platform do you prefer?
New
aueb
computer science
Kotidis
Do you prefer dark or light theme
unipoll
aueb
Unipoll
Do you want a deadline extension (Distributed systems) ?
aueb
Distrubuted systems
Miss Jen
Polls

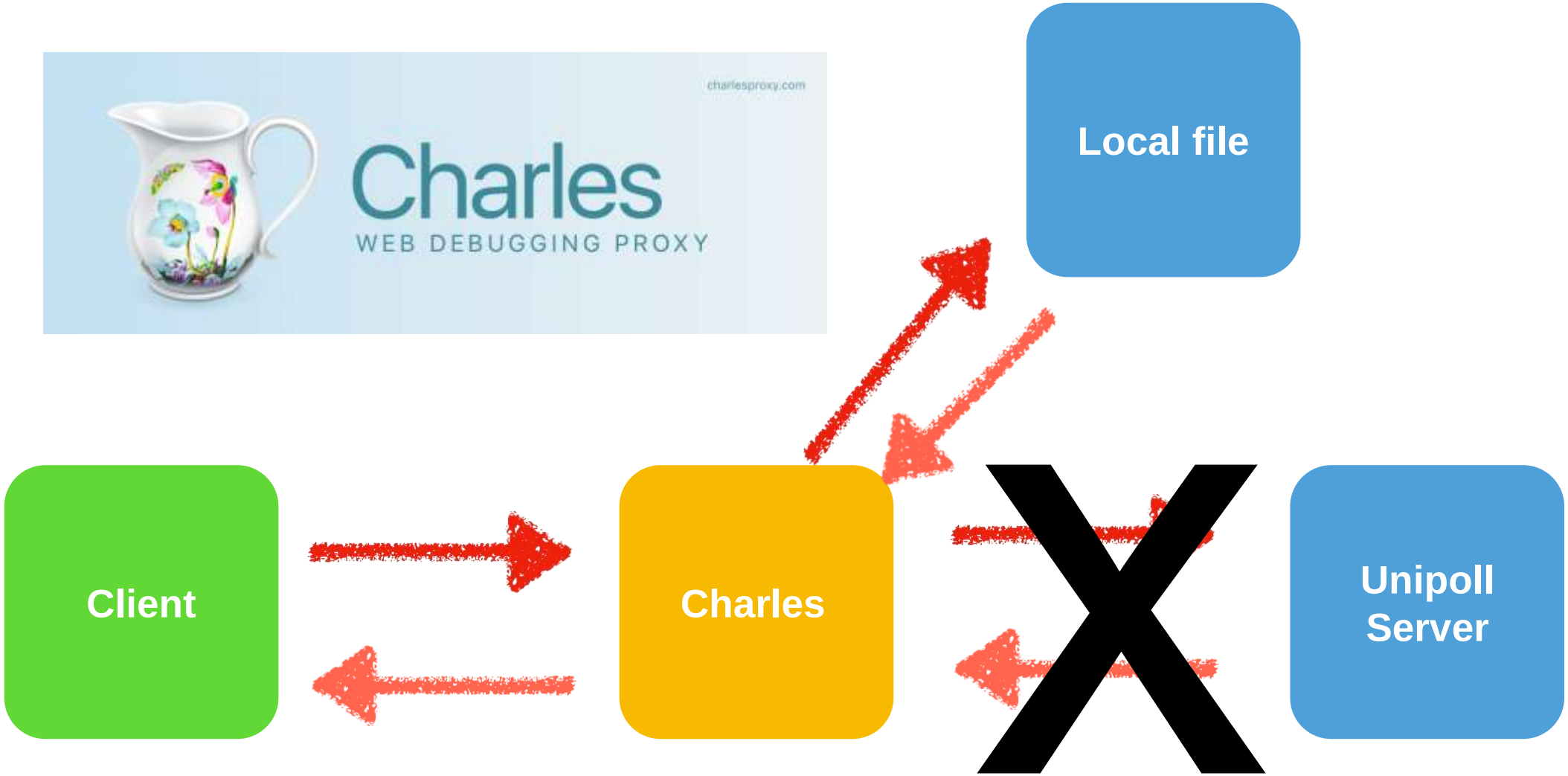

6:35
Nickname
GeorgeK
University
Athens university of economics and business
Valid student until
Saturday November 2020
Profile

Voting screen



- **Anonymous voting**

Simplify your life



BACK-END

used to
transmit data

API’s

BACK-END

Firebase

contacted by API

sends push notification

BACK-END

MySQL

store data

fetch data

BCNF

QUESTIONS..