

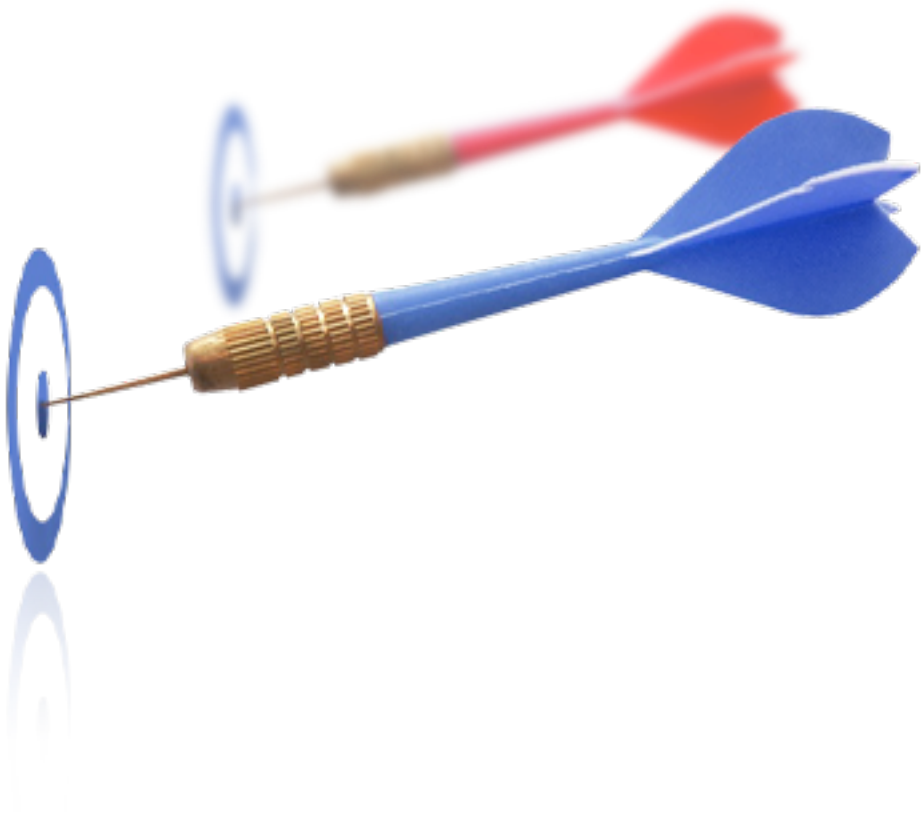
# Project 1: Guidelines

---

Olivier Liechti  
TWEB

heig-vd

Haute Ecole d'Ingénierie et de Gestion  
du Canton de Vaud



# Objectives

# General Objectives

---

- The main objective of the project is to **apply the concepts and techniques** presented during the lectures into a **meaningful application**.
- One objective is to go through the process of **publishing an open source project in Github**. You have to take special care about the structure and content of **your repo**!
- I would like to see your **creativity**. The requirements that we are about to see in these slides are defined at a relatively high-level. It is your responsibility to come up with **original ideas** and to **make your contribution**.

# About the app...

---

- I am your customer. **Really.**
  - **Getting feedback** from students during the class is very hard.
  - One reason is probably that people are **shy** and don't like to raise their hand to ask a question.
  - Hence, it is **very difficult to assess** if students have understood, have issues. It is very difficult to assess if **pace** is too slow or too fast.
- **I would like a tool, which should:**
  - allow students can **give live feedback** in a chat system, which would be projected on the screen (next to the slides).
  - allow them to **ask questions**, give **qualitative feedback**, **answer polls**, etc.
  - allow teachers and students to **access archived lecture transcripts** (which should indicate the stream of events, such as slide transitions, questions, comments, etc.)

Chatzy – Free Private Chat

www.chatzy.com

Anonymous User Log In / Sign Up

Chatzy

Classic | Mobile

Start Quick Chat

Create Virtual Room

My Rooms

Chatzy Blog

Send Feedback

Chatzy FAQ

Chat Commands

Hosted Rooms

Terms of Use

Privacy Policy

Start A Free Private Chat

Fill out this form to create a chat room immediately – only for you and people you invite. (For more options, try our [Virtual Rooms](#).)

Your name:

John

Black

?

Title/subject:

I want to talk about...

?

Invite email:

somebody@somewhere.com

?

Message:

Hi there!

Please join me for a chat. All you have to do is follow this link:

?

Create my chat room

Chatzy respects your privacy to the fullest as outlined in our [Privacy Policy](#). All services are provided "as is" with no warranties whatsoever, as described in our [Terms of Use](#). © 2001-2014 Chatzy. All rights reserved.

Chatzy is a good alternative to Facebook, Skype, Windows Live, and other messengers because:

✓ Chatzy has no registration steps - your friends can join instantly

✓ Chatzy is free and has no popup ads

✓ Chatzy does not require Flash or any installation on your computer (= no spyware)

✓ Chatzy works on all major browsers, with any language and through corporate firewalls

✓ Chatzy is simple and easy to use

Freebie LIST

THE FREE SITE

<http://www.chatzy.com>

TodaysMeet – Give everyone a voice

https://todaysmeet.com

Sign inSign up

# TodaysMeet

Enhance classrooms. Enable discussions. Empower students.  
TodaysMeet gives everyone a voice

Ready? Get started right now

1. Name your room

MyRoom

2. Keep the room open for

one week

3. Open your room

## TodaysMeet Teacher Tools is coming soon!

Make managing your digital classroom *even easier* with [TodaysMeet Teacher Tools](#), a toolbox just for teachers.

Permanent transcripts and embed, paused rooms, better access controls, and more! [Learn about Teacher Tools](#) or [sign up](#) to get updates.

Join over 1,000,000 discussions

Take control of your rooms by signing up!

Email Address

Password

Sign up

☐ Send me occasional updates about TodaysMeet for teachers.

Already have an account? [Sign in](#)

### Expand your classroom

Students can join from home or even from other schools to make the classroom

### Embrace the backchannel

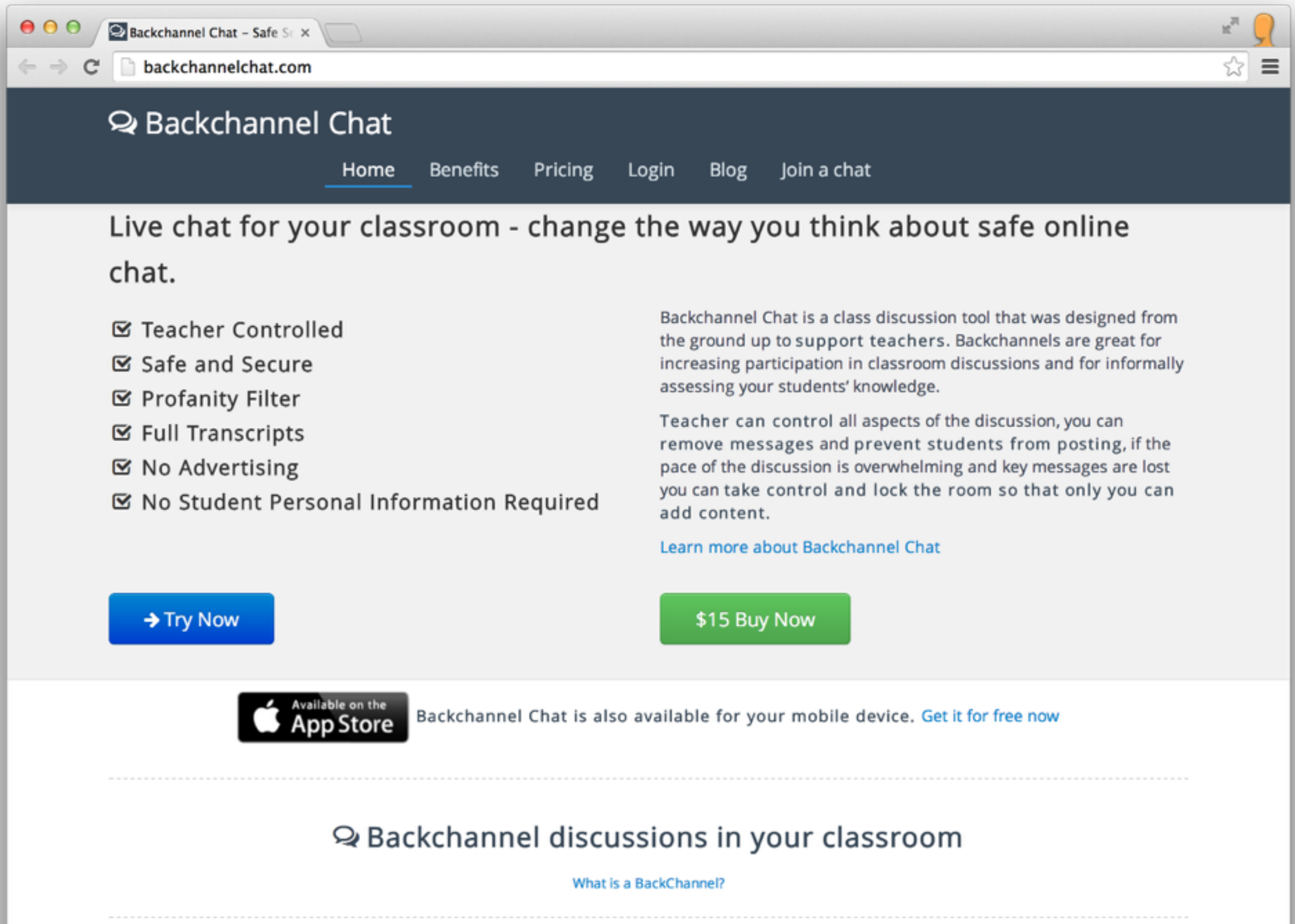
The [backchannel](#) improves meetings, presentations, Socratic seminars and

### Empower learners

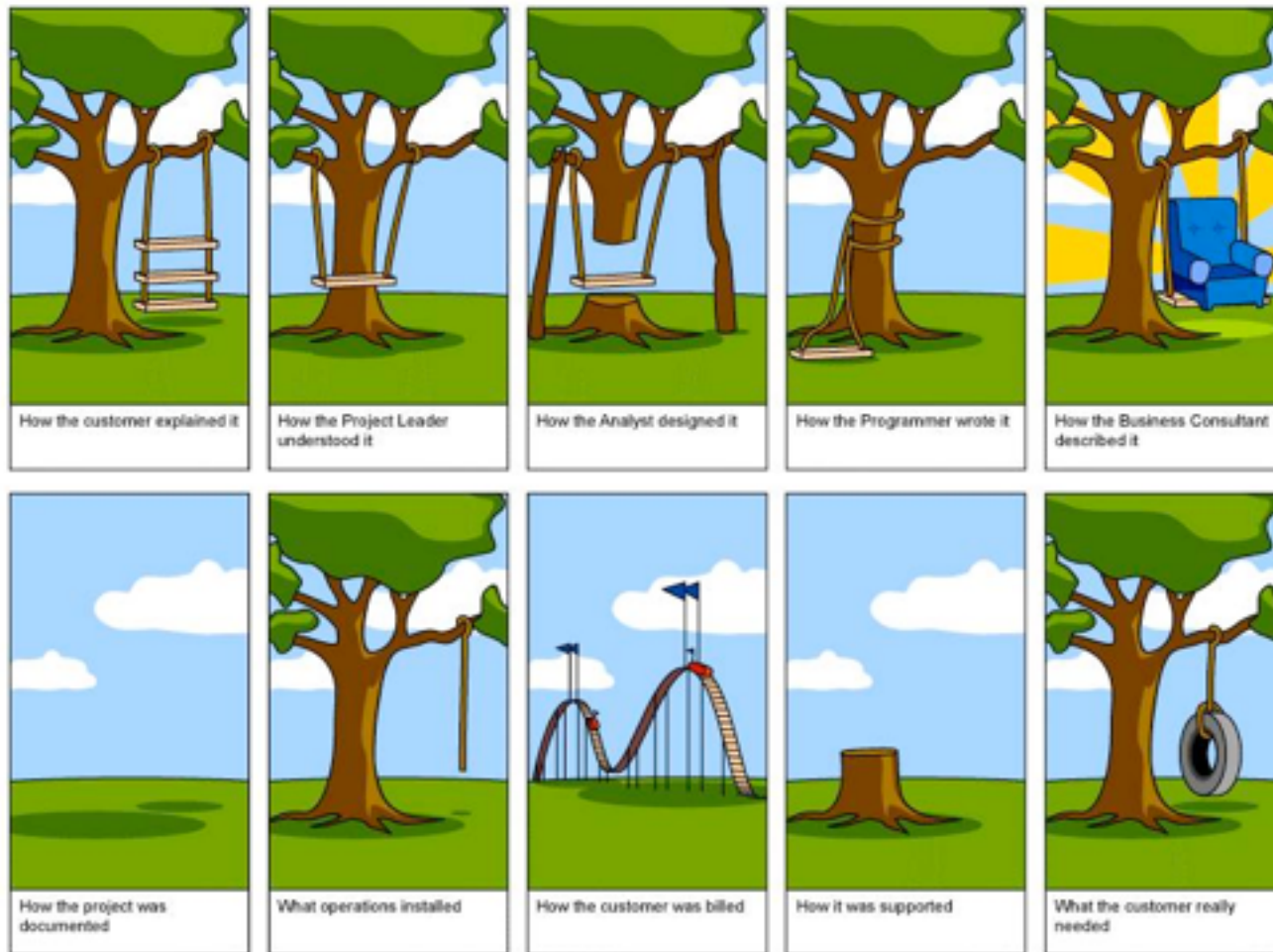
TodaysMeet gives everyone the floor and lets even the quietest students express

<https://todaysmeet.com/>





<http://backchannelchat.com/>



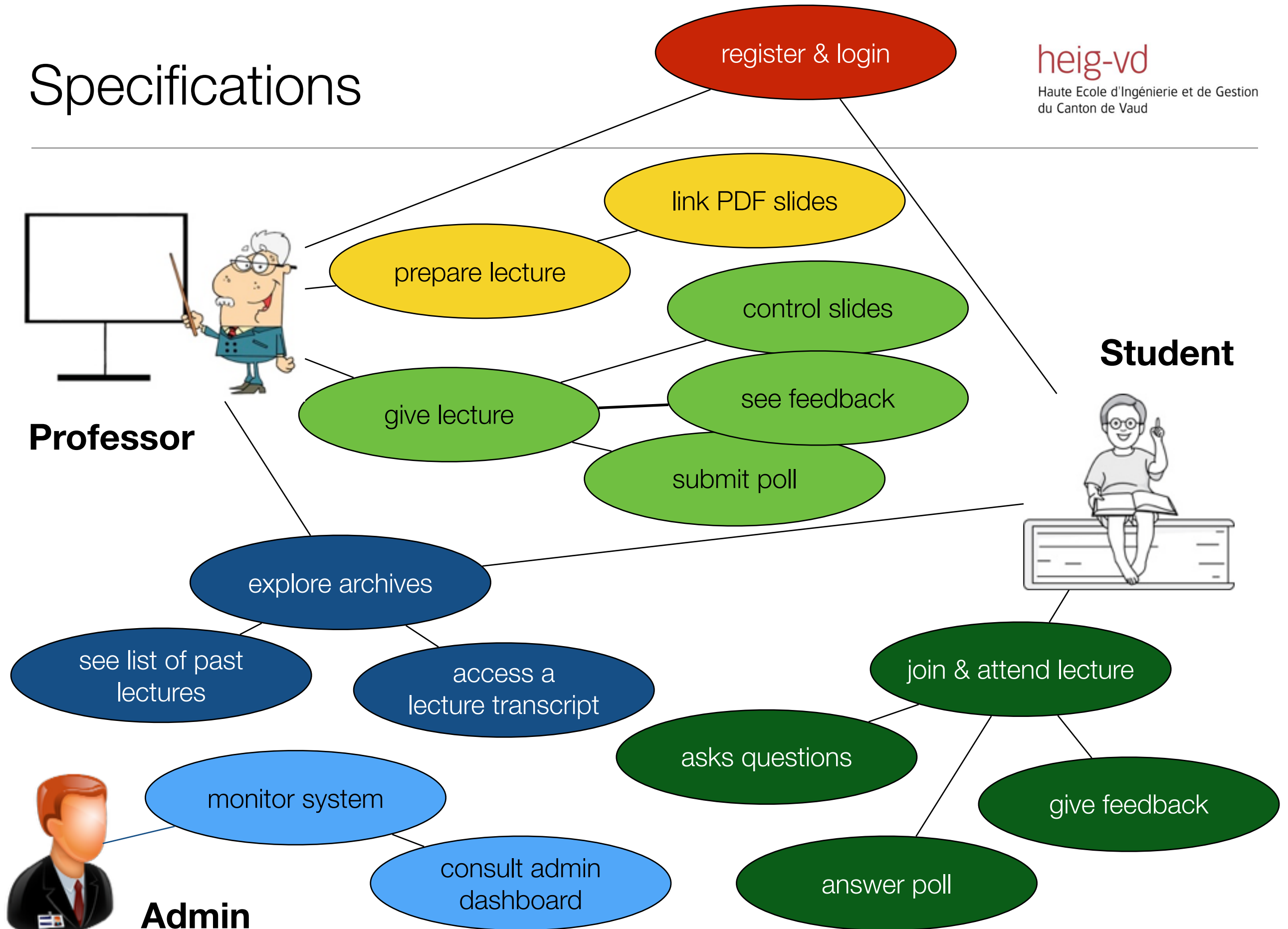
# Specifications



# Specifications

heig-vd

Haute Ecole d'Ingénierie et de Gestion  
du Canton de Vaud



# Public display (beamer)

---

heig-vd

Haute Ecole d'Ingénierie et de Gestion  
du Canton de Vaud

**slides**

**chat**

**mood**



# Personal display (student)

---

heig-vd

Haute Ecole d'Ingénierie et de Gestion  
du Canton de Vaud

**slides**

**chat**

**mood**

speed up!

I am lost...

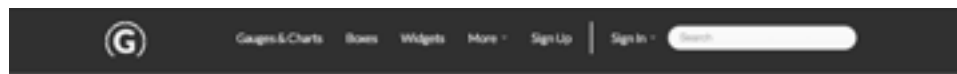
slow down!

Cool!

# Admin Dashboard

heig-vd

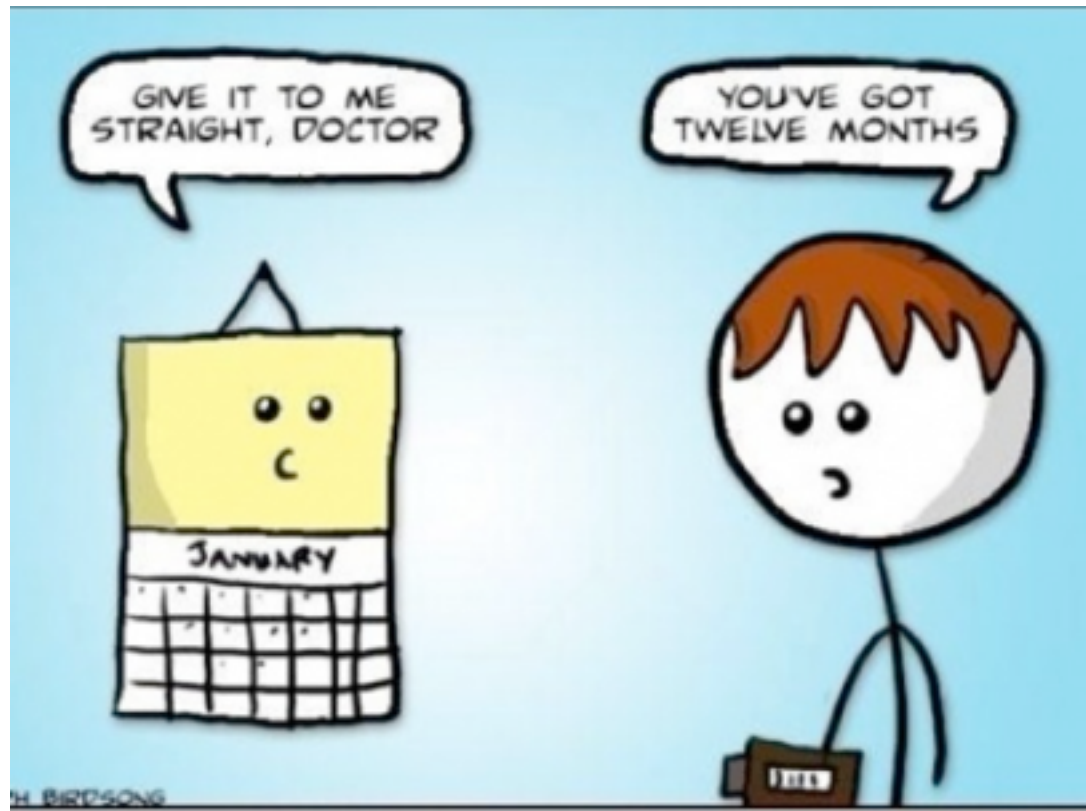
Haute Ecole d'Ingénierie et de Gestion  
du Canton de Vaud



Registered Users

ID	First Name	Last Name	Username
1	Mark	Tompson	the_mark7
2	Ashley	Ford	ash1927
3	Audrey	Ann	audann01





# Planning

Project 1					
	5		6	7	8
Date	13/10/2014		27/10/2014	3/11/2014	10/11/2014
Concepts & techniques	Async programming Streams Development pipeline		Events in Node.js Realtime Web	Persistence NoSQL	
Frameworks & libs	Async.js & Q Yeoman PDF.js		socket.io	MongoDB Mongoose Passport.js	
Activities	Design page flow Create project structure Control PDF		Implement the realtime event system (not only chat)	Manage user accounts Persist events (transcript)	Implement the admin dashboard Generate test data

## Tuesday, October 7th

send an e-mail with names, Github repo  
and heroku URL

## Sunday, November 16th

push last commit to Github repo  
deploy last version on heroku

## Every monday morning

we expect a stable version in Github and on heroku  
we want to be able to test locally, with one command (README.md)

## You can either work alone or in pairs

You must be able to answer questions on the entire codebase  
We will use the Github log to check contributions



# For next week

---

- **Think about the application.** Come up with your ideas and suggestions, but keep in mind that for time constraints, we have to keep things simple.
- **Design the navigation logic for the app** (page flow):
  - How will users (professors, students, admins) reach the application?
  - What will they see on the landing page?
  - How many pages will you implement and how will users navigate between these pages?
  - What should happen in every page? Which pages will have to deal with realtime notifications?
- Document your design with **graphical mockups**. Be ready to **present** them.



# Evaluation

# Evaluation matrix

---

<b>End-user experience</b>	<b>30 %</b>
First impression	25 %
Robustness of implemented features	25 %
Quantity/richness of implemented features	25 %
UX & UI	25 %
<b>Code quality</b>	<b>30 %</b>
Code base organization (structure)	20 %
Correctness	20 %
Understandability	20 %
Coding style & conventions	20 %
Code documentation	20 %
<b>Documentation</b>	<b>30 %</b>
Developer documentation	25 %
Organization of the Github repo	50 %
10' presentation & demo	25 %
<b>Project management</b>	<b>10 %</b>
Regular commits in Github repo	50 %
Timely delivery	50 %