

Slide 1

Tracking Wine

Overview

- Groups of 4 - 5 people
- 1st hour:
 - Requirements
 - Design activity diagram
- break
- 2nd hour:
 - Discussion: another group's design
 - Design class diagram
 - Discussion: another group's design
- $\hat{x}abc\alpha$

Case Study

1333	2424
3	4

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- Swiss love their **wine** and cheese
 - Let's create a *simple* wine tracker system

La Cave Vivante

Simple idea

- Bottles have a RFID tag
- RFID reader (emits and read signal)
- **Raspberry Pi**
- **Server (online shop)**
- Mobile app

Requirements I

The Raspberry Pi needs to handle:

- Bottles in
- Bottles out
- Communication with server
- Addition: Cellar identity (update cellar)
- Addition: Employees have Tag (identity)
- Important: Unreachable server?

Requirements II

The online shop needs to handle:

- credit cards,
- invoices,
- manage cellar (incr / dec)
- auto-order (#wine < 5 => send more)