Lab 1. Intro, Interviews, Bicycles

Agenda

- Introduction
  - Instructor
  - Students
- Preliminary labs plan
- Preparation for the interview with the customer
- Existing products research and feature analysis

Preliminary labs plan

W	Content	W	Content
1	Activity: - Students introduce themselves - Organizational matters of the labs - Planning customer interview (Add checklist and prepare activity)	4	Activity: - Architectural Drivers - UML Diagrams
2	Activity: - Composing use case diagram - Writing user stories - Sketching your product	5	**Student Presentations**: - MVP Beta - What they have done - Lesson learned
3	**Student Presentations:** - Prototype - Product Backlog - Sprints plan	6	**Student Presentations**: - MVP Alpha - What they have done - Lesson learned

Who am I?

My Background, Experience, and Skills.

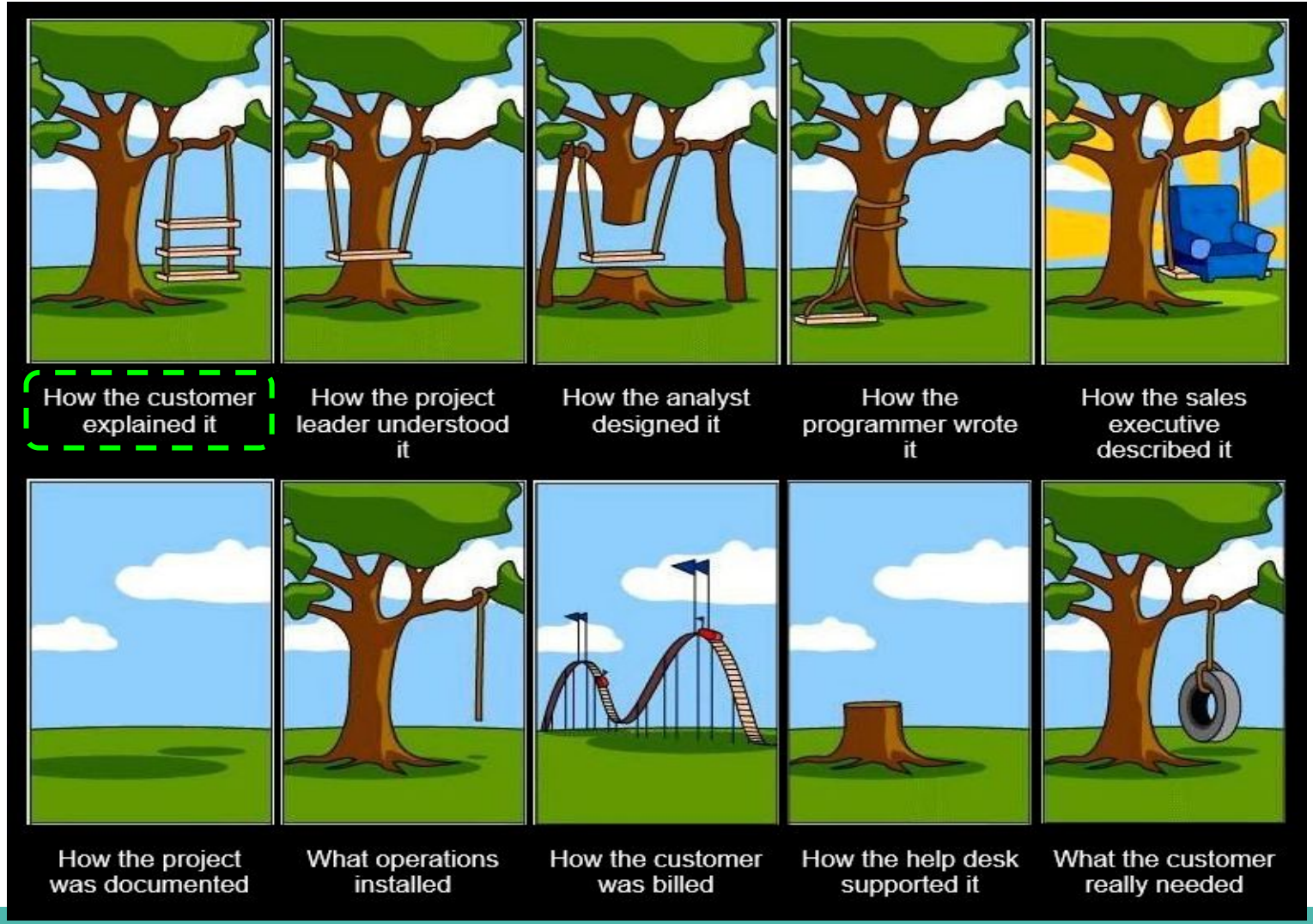
Who are You?

Tell about yourself

- Name
- Short background
- Some funny fact about yourself :)

Preparation for the interview

Why should you care? (discussion)


How the customer explained it
How the project leader understood it
How the analyst designed it
How the programmer wrote it
How the sales executive described it
How the project was documented
What operations installed
How the customer was billed
How the help desk supported it
What the customer really needed

Preparation for the interview – tips

It is good:

- to fill in the context beforehand
- to make up a questionnaire
- to have either open or closed questions
- to go from general to specific
- to assign roles beforehand, if the interview is conducted by a team
- to make audio recording, if the interviewee does not mind
- to deviate from a script, but don't go too deep or far from the topic

Preparation for the interview – active listening

- Avoid interrupting
- Listen without judgment
- Paraphrase and summarize
- Model positive nonverbal behavior
- Ask specific, open-ended questions

Preparation to interview – practice

I'm your client. I want to create an app to help me conduct polls and quizzes during lab sessions. I am a busy person and I do not have time for empty talk. Therefore, I can only consider 5 questions. Let's split into groups (4 people sitting close) and propose 2-3 questions from each group *(you have 5 minutes).*

Q1	Q2	Q3	Q4	Q5

We'll pick 5 best questions from your suggestions.

Fill in here

Existing products research and feature analysis

Why should you care? (discussion)

Existing products research and feature analysis

- Sometimes it's easier/cheaper to use ready-made solutions
- An analysis of existing solutions can suggest what should be in yours
- ... and what shouldn't

Existing products research and feature analysis – practice

After an interview with me, you have the basic idea of what my needs are.

Let’s explore the existing solutions.

Is it worth creating a **new solution or** maybe something from the **existing ones** will suit me?

In already created **groups**: 1 should take notes, 3 explore the selected product *(you have 5 minutes)*

Your task is to create a feature analysis table, where rows are products and columns are features.

Existing products research and feature analysis – practice

1. Search for similar existing products
2. Pick 3 to explore
3. Analyze functionality for each of them
4. Take screenshots and notes along the way
5. Rate each feature for each product from 0 to 10
6. Collect screenshot and notes in one place
7. Compose a Feature analysis table (matrix where products are rows and features/characteristics are columns)
8. Present a report to summarize main learning points. (2 minutes).

Now you can exhale and relax :)