

# Software Project Management

Lesson 4 – Requirements Engineering  
Quiz

Uwe Gühl  
Winter 2015 / 2016





# 1. Task Requirements

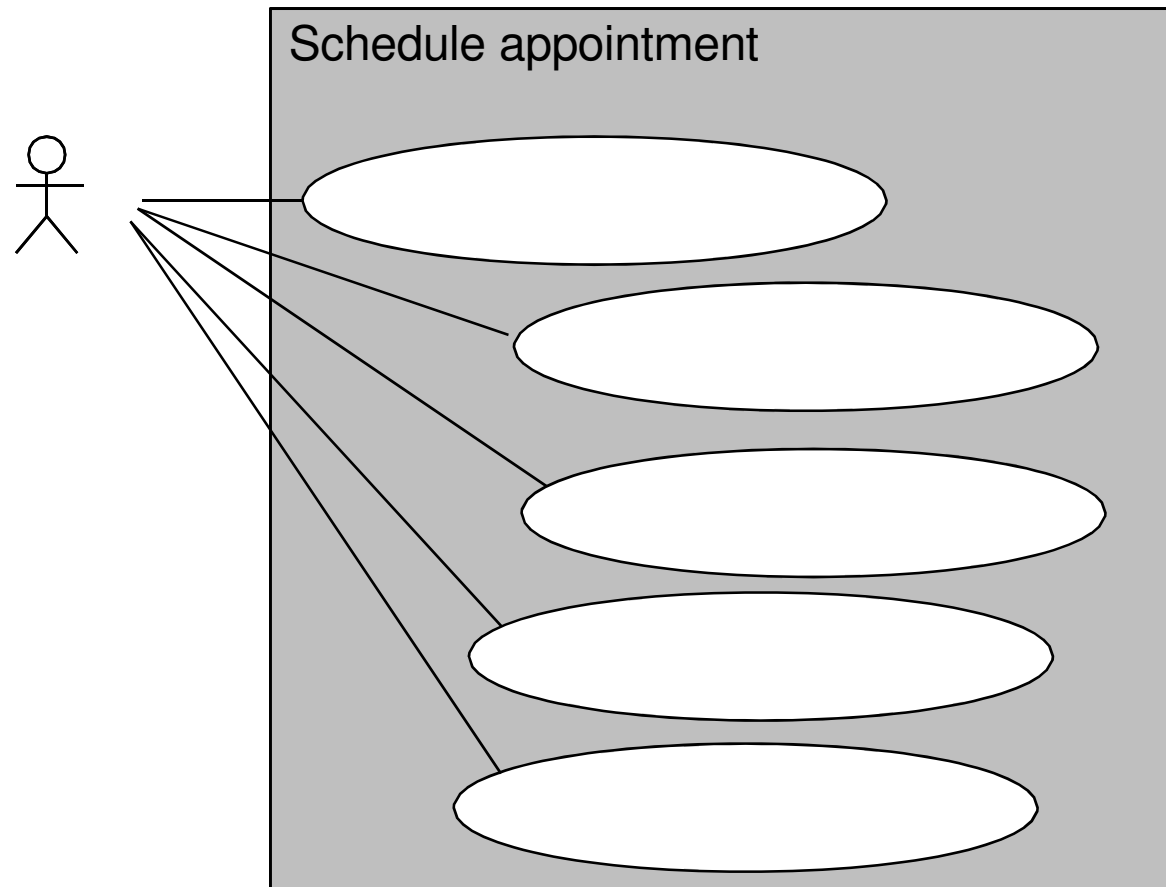
- You would like to schedule appointments with your friends using a web tool.
- You think about requirements: What should the tool be able to do?
- Tasks:
  1. Write down your requirements
  2. Get requirements from a fellow student and formulate them either as
    - a. User Stories or as
    - b. Use Cases

# 1. Task Requirements User Stories



| As a<br><type of user> | I want<br><some goal> | so that<br><some reason> |
|------------------------|-----------------------|--------------------------|
|                        |                       |                          |
|                        |                       |                          |
|                        |                       |                          |
|                        |                       |                          |
|                        |                       |                          |

# 1. Task Requirements Use Cases



# 1. Proposal Requirements User Stories



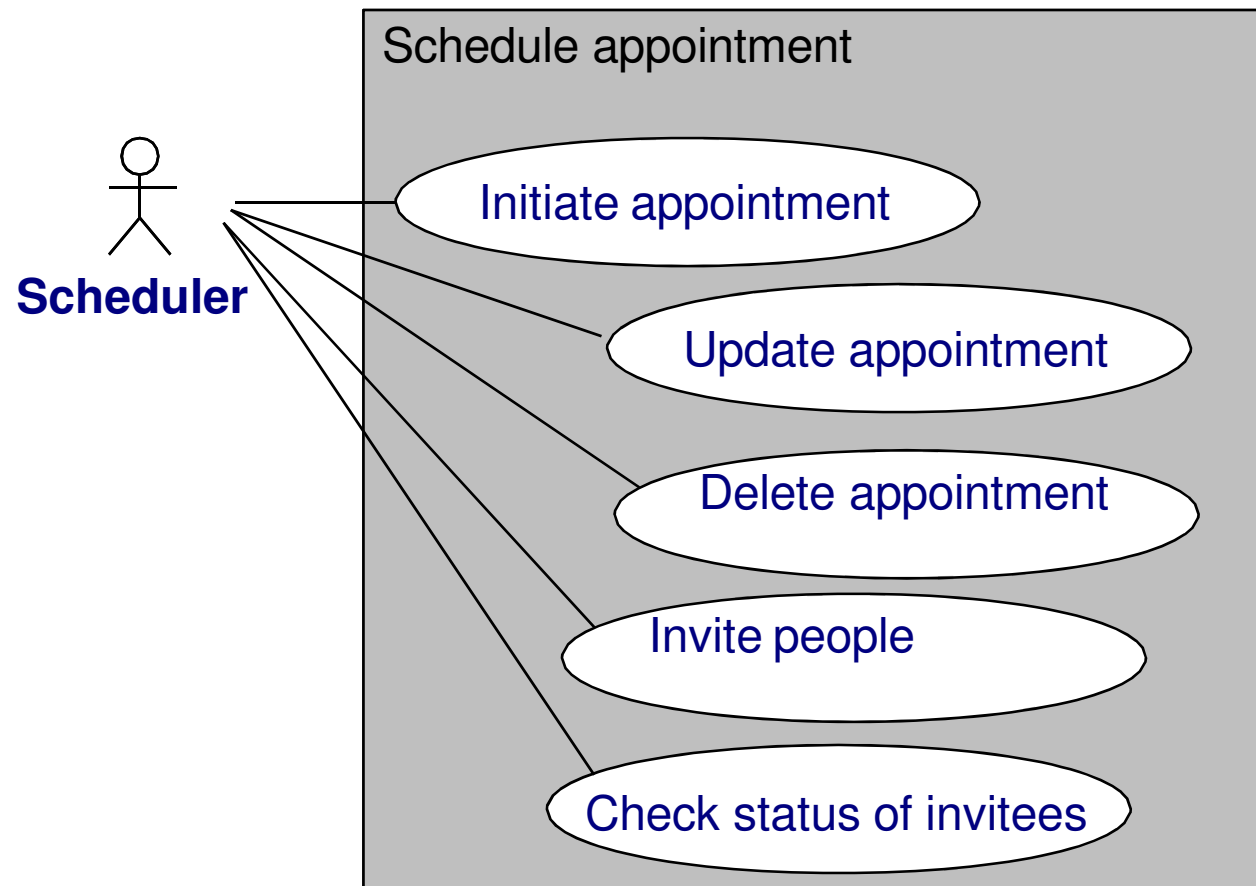
| As a<br><type of user> | I want<br><some goal>           | so that<br><some reason>                                   |
|------------------------|---------------------------------|------------------------------------------------------------|
| Scheduler              | to initiate an appointment      | I could offer different dates to people they should choose |
| Scheduler              | to invite people                | they could get access to the survey and enter their dates  |
| Scheduler              | to update a given appointment   | I could add another / delete a given date                  |
| Scheduler              | to delete a given appointment   | I could cancel a survey                                    |
| Scheduler              | to check a given appointment    | I could see the status of the invitees                     |
| Scheduler              | to finalize a given appointment | determine the final date                                   |

# 1. Proposal Requirements User Stories

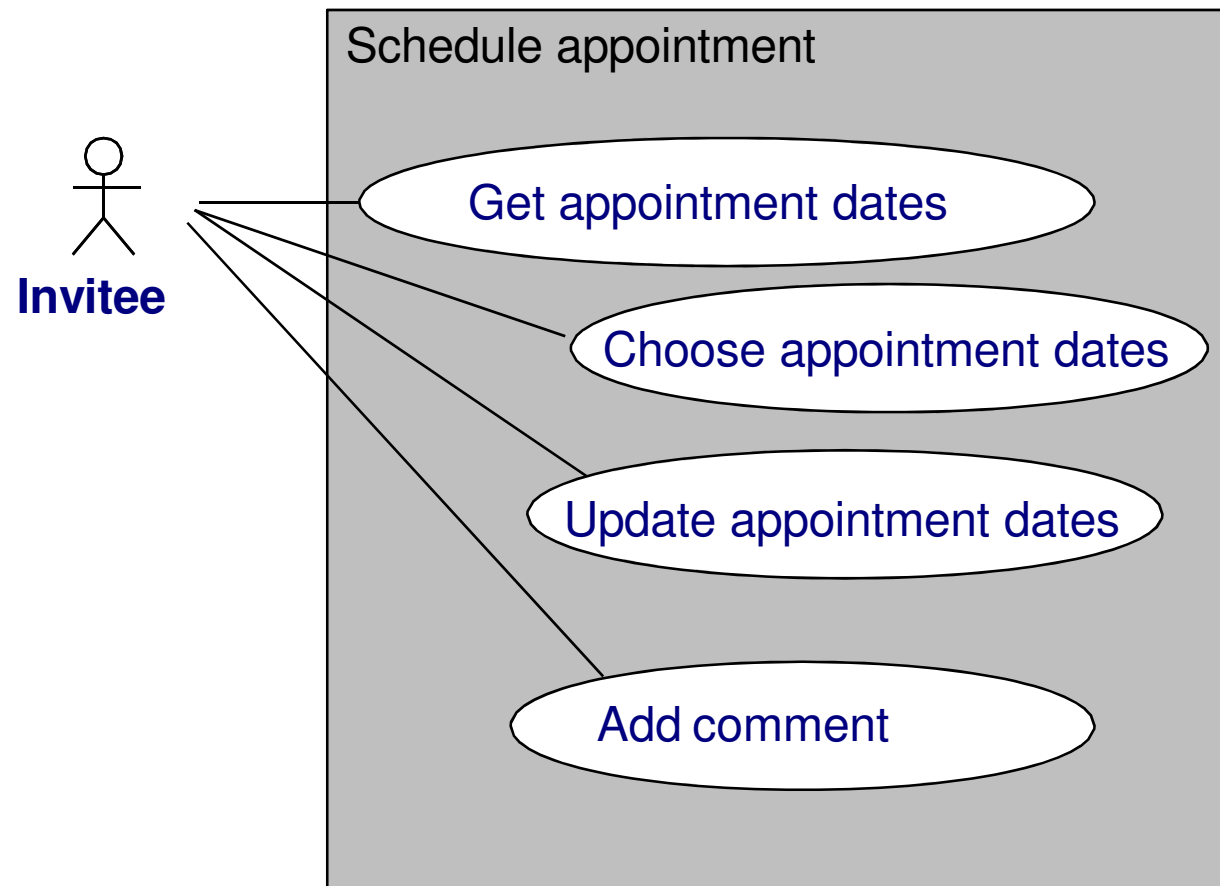


| As a<br><type of user> | I want<br><some goal>                  | so that<br><some reason>                                                |
|------------------------|----------------------------------------|-------------------------------------------------------------------------|
| Invitee                | to get an invitation to an appointment | I could determine the dates fitting best to me                          |
| Invitee                | to choose appointment dates            | all my acceptable dates are visible to the scheduler and other invitees |
| Invitee                | to update appointment dates            | my updated dates are visible to the scheduler and other invitees        |
| Invitee                | add comments                           | I could express additional ideas, requests, some details                |

# 1. Proposal Requirements Use Cases



# 1. Proposal Requirements Use Cases







## 2. Task Requirements

Following requirement could be found in a specification

- KUClock should be able to display the flag picture for every clock that is displayed on the main page.
- For example, Bangkok and Berlin time is displayed. These two flag pictures should be displayed:



- User can show/remove this function by an easy control

1. Which questions would you like to ask so that you could test this requirement?
2. Please add for each question a reasonable assumption as proposal.

## 2. Proposal Requirements



- What means “Bangkok time” and “Berlin time”?
- Proposal: Basic of the displayed times are Time Zones. A user could choose
  - a specific Time Zone
  - cities (mapped directly to a Time Zone)
  - a country with only one Time Zone (mapped directly to a Time Zone)
  - a country with more than one Time Zone (e.g. Russia with nine Time Zones, USA eleven, Australia eight, Brazil four and Mexico three).  
The user could choose corresponding city / Time Zone.

## 2. Proposal Requirements



- Where and how should the flag pictures be displayed?
- Proposal: The flags should be displayed above the displayed time

## 2. Proposal Requirements



- What about the size of the flag pictures?
- Proposal: A minimal flag size should be displayed, it should be about 160 x 100 pixel

## 2. Proposal Requirements



- What should happen, if a flag gets removed concerning the size of a clock?
- Proposal: If the displaying of flags gets disabled, the clock should resize.

## 2. Proposal Requirements



- What means easy control?
- How should the function of showing / removing of images work?
- **Proposal:** The displaying / enabling functionality should be accessed in three ways with maximal two steps: Right mouse click, Menu (high level), function key