Learn It Yourself

LERNZIELE SPIELERIESCH SELBST ERREICHEN

JONAS HILPP, ANGELIKA SUDHEIMER, MERT GÜNDÜZ, JANNIK ADAM

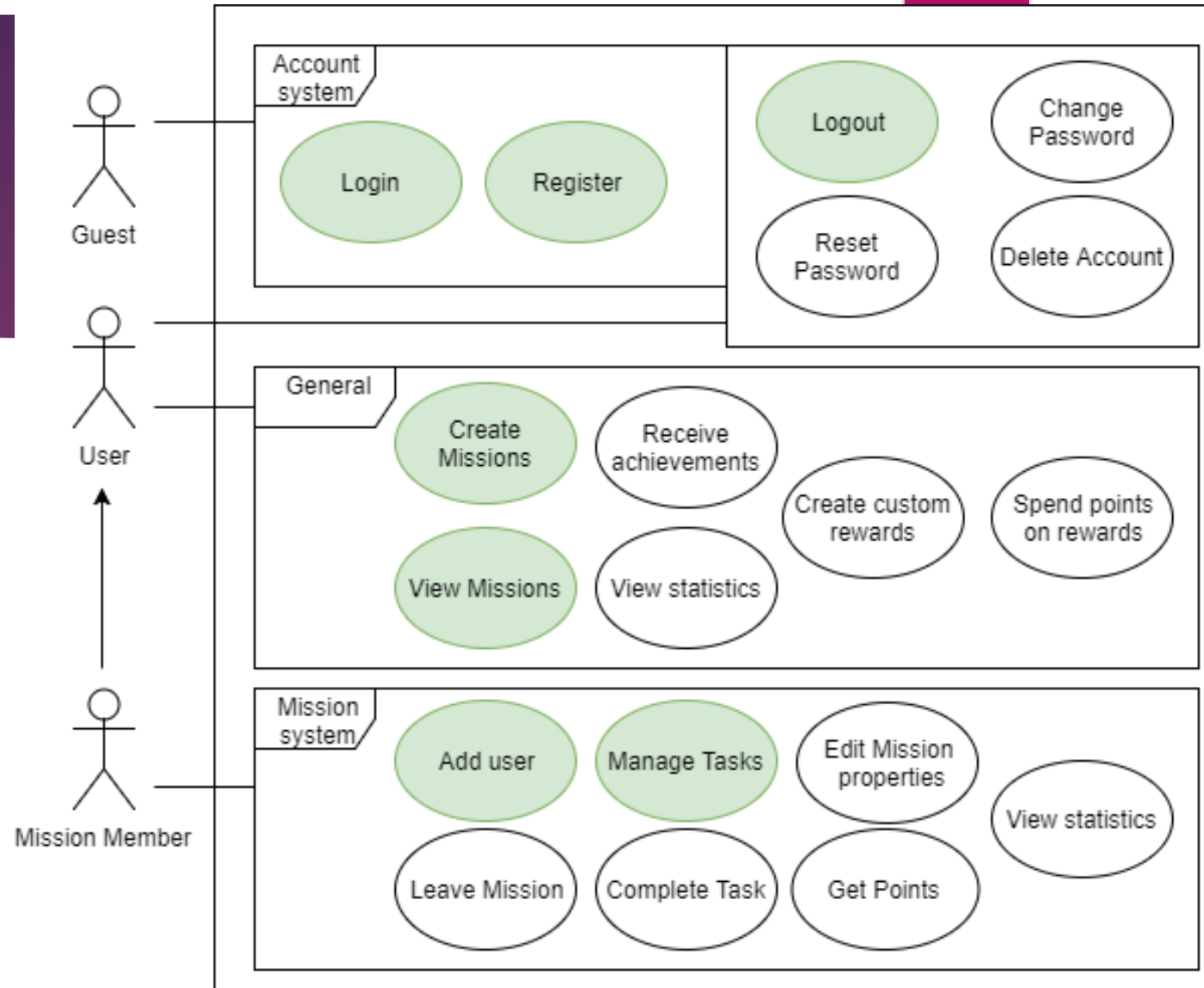# Business

VISION, USE-CASE, PM, RUP

Vision

- Turn mundane tasks such as studying into a game!
- Applying the concepts of gamification to your studies and tasks in a way no one ever has!
- Get points for the completion of tasks and spend them on personal rewards

Scope: Use-Case Diagram

1) Account system ☺
2) Create/View Mission
3) Add user
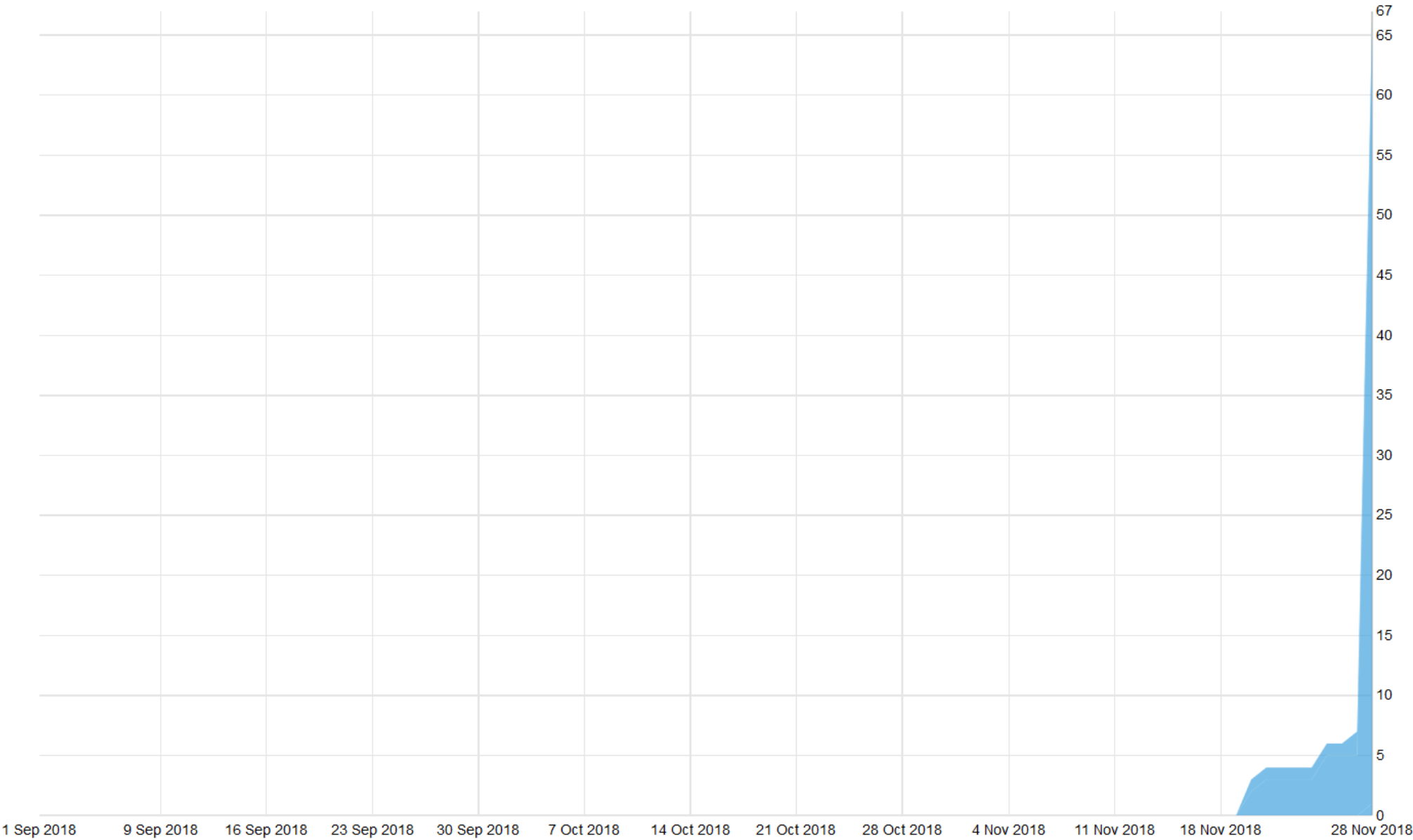4) Manage Tasks

➡ ***Gamification***
coming next semester!

Project management

- **SCRUMMING** with **YouTrack**

- Dont assume that the people you present to know what scrum is.

- So you can explain why you pick this method and how it affects the client.

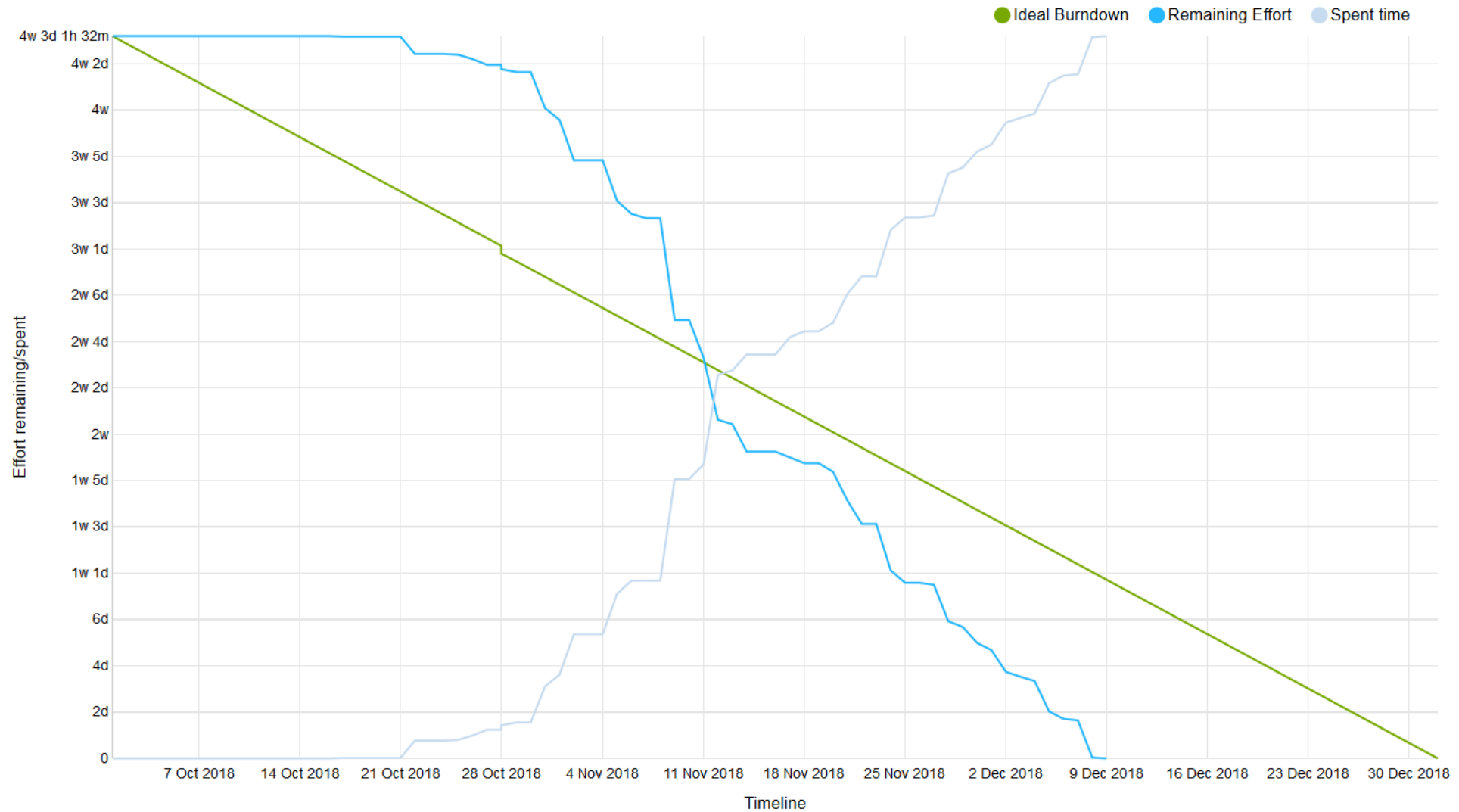# SRS

RUP

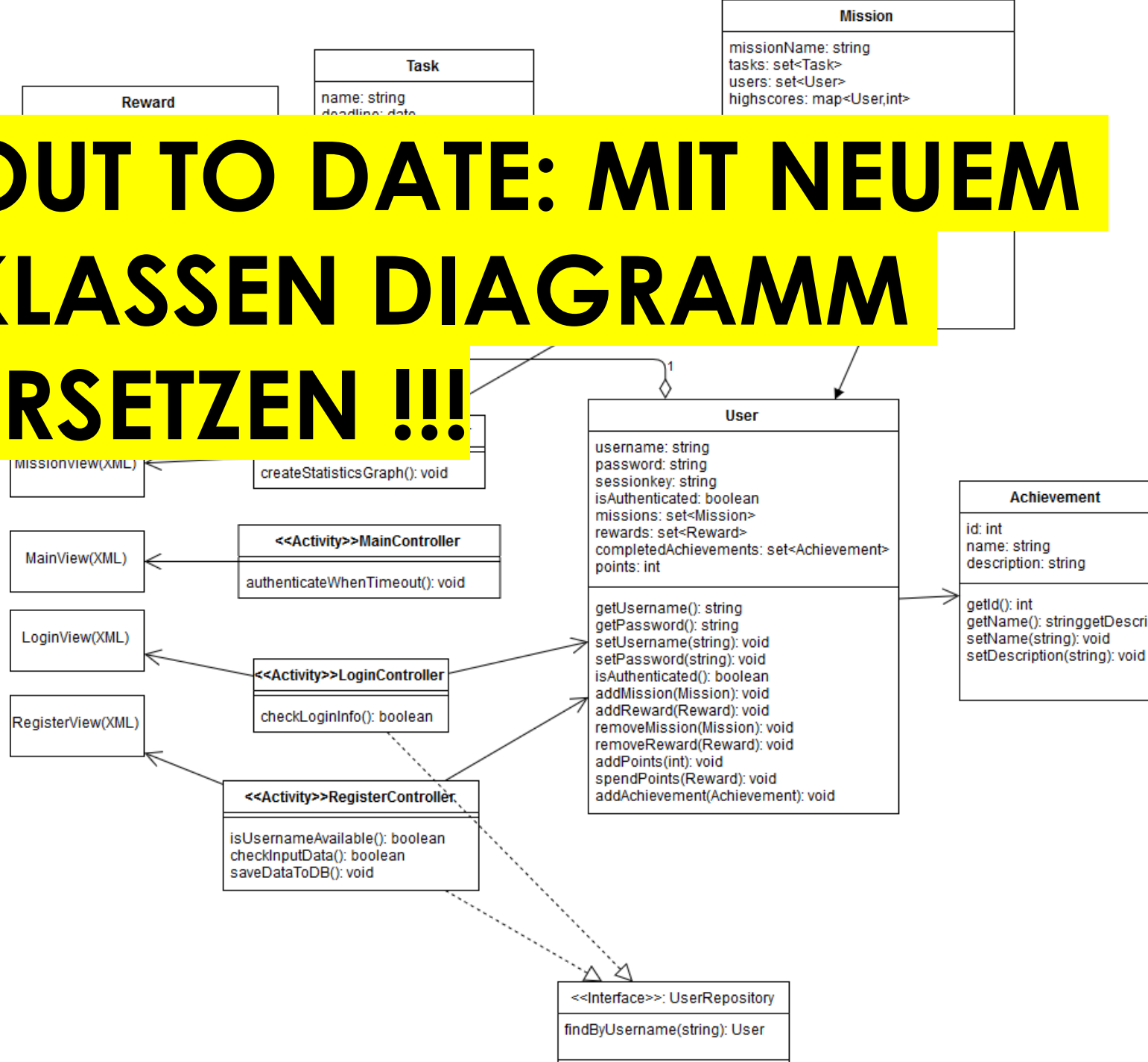| | 1 Sep 2018 | 9 Sep 2018 | 16 Sep 2018 | 23 Sep 2018 | 30 Sep 2018 | 7 Oct 2018 | 14 Oct 2018 | 21 Oct 2018 | 28 Oct 2018 | 4 Nov 2018 | 11 Nov 2018 | 18 Nov 2018 | 28 Nov 2018 |

Burndown

Technology

CLASS DIAGRAM, LIVE DEMO

OUT TO DATE: MIT NEUEM KLASSEN DIAGRAMM ERSETZEN !!!

Reward

Task
name: string
deadline: date

Mission
missionName: string
tasks: set<Task>
users: set<User>
highscores: map<User,int>

MissionView(XML)

createStatisticsGraph(): void

User
username: string
password: string
sessionkey: string
isAuthenticated: boolean
missions: set<Mission>
rewards: set<Reward>
completedAchievements: set<Achievement>
points: int

getUsername(): string
getPassword(): string
setUsername(string): void
setPassword(string): void
isAuthenticated(): boolean
addMission(Mission): void
addReward(Reward): void
removeMission(Mission): void
removeReward(Reward): void
addPoints(int): void
spendPoints(Reward): void
addAchievement(Achievement): void

Achievement
id: int
name: string
description: string

getId(): int
getName(): stringgetDescri|
setName(string): void
setDescription(string): void

<<Activity>>MainController
authenticateWhenTimeout(): void

MainView(XML)

LoginView(XML)

<<Activity>>LoginController
checkLoginInfo(): boolean

RegisterView(XML)

<<Activity>>RegisterController
isUsernameAvailable(): boolean
checkInputData(): boolean
saveDataToDB(): void

<<Interface>>: UserRepository
findByUsername(string): User

Demo

- How far have we come?

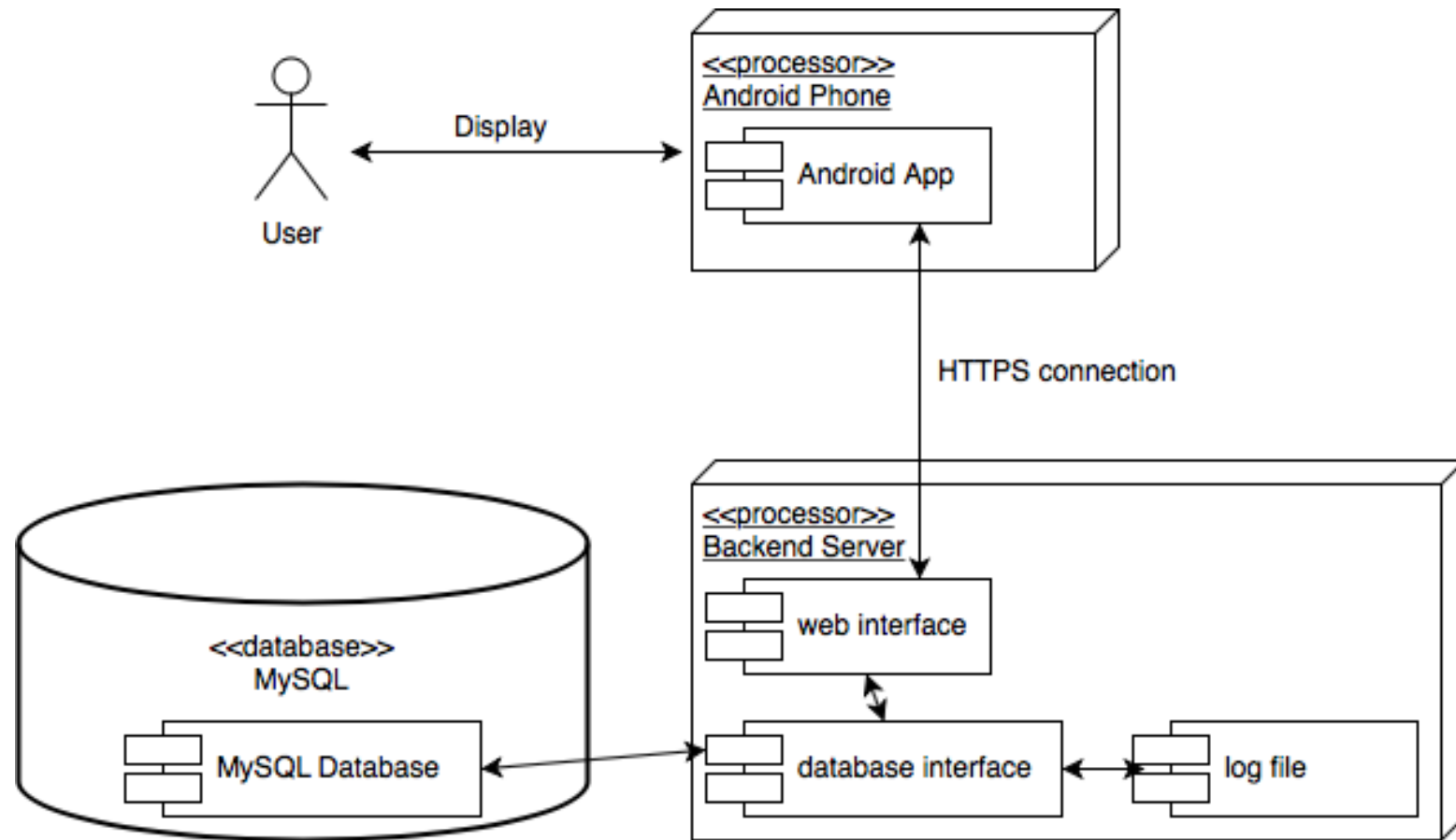# Quality
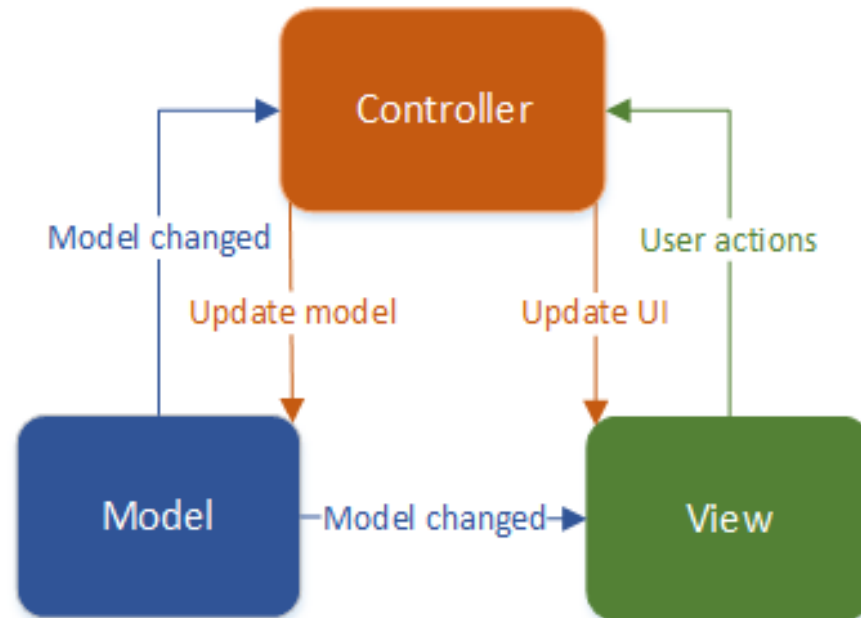
TOOLS, ARCHITECTURE, AUTOMATION

Werkzeuge & Frameworks

▶ YouTrack (Projektmanagement)

▶ Github (Version control)

▶ Android Studio & PhpStorm (IDE)

▶ WordPress (Blog Documentation)

▶ Gradle (Build system)

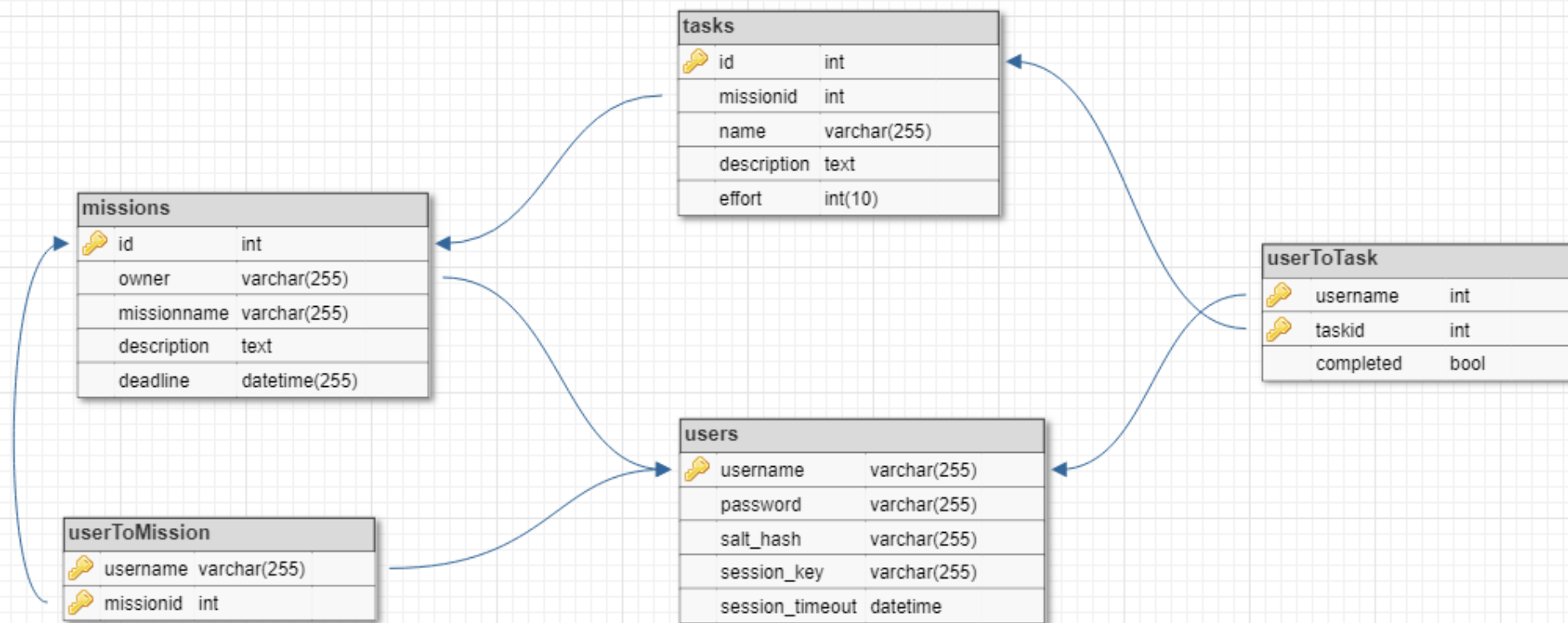▶ Apache & MySQL (Server and database)

Architecture

Architecture II

Architecture III

Configuration

- No clue

Automation

- Tests, DIE, git, YouTrack SHOW Integration

- Automated testing is important, why is it important. Are you mentioning that in your talk, are you explaining how it is integrated into your project. what does this mean for the client?
  Present proof that yours are executed.
  So - not only are you implementing it technically, but you are also arguing in your presentation
  how it is integrated into your project management and software engineering process and
  methodology of running your project.
  You dont need to mention it 4 times, but for me I need to see whether you cover all aspects
  of the testing during your talk.