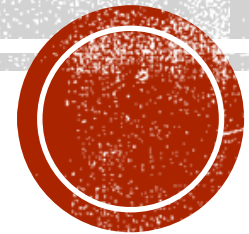


BOOKLY

midterm presentation



OUTLINE

- Project Management
 - RUP
 - Scrum and YouTrack
 - Burn-Down-Chart
 - Extend of functionality
 - Use Cases for Mockup
- Architecture
- Automation
- Demo



RUP- RATIONAL UNIFIED PROCESS

- **Alexandra**

- **Requirements Specifier:** Describe and phrase the features / design of the website with the team
- **Project Manager:** Phrase acceptance criteria of the features + Coordinate sprints + Manage YouTrack + Assign Tags

- **Jeanne**

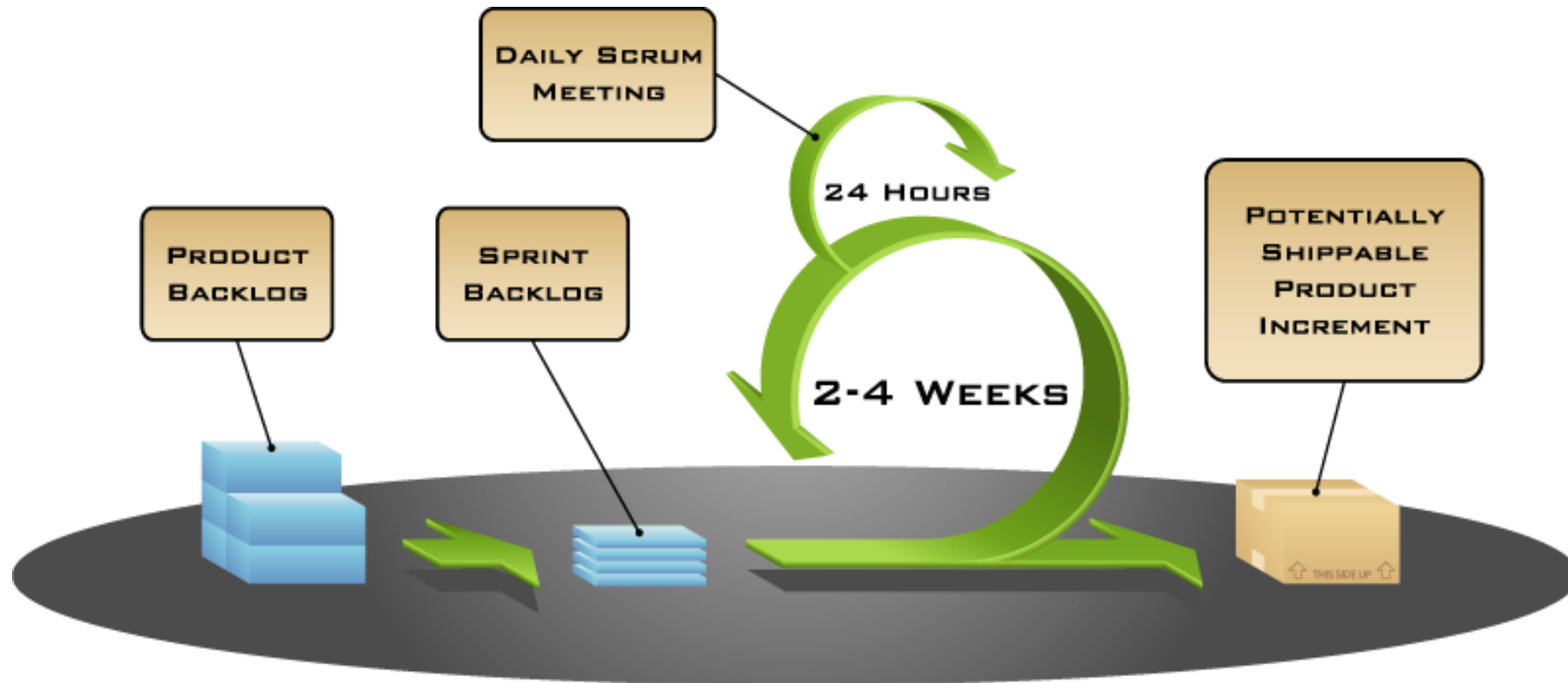
- **Implementer:** Create database structure, logic, and interfaces (API)
- **Tester:** Test the interfaces (APIs) between Frontend, Backend and Database and the functionality of the Frontend

- **Nico**

- **Deployer:** Host domain and integrate CI (and Docker)
- **Designer:** Implement the design described in the Use-Cases + Web tests



SCRUM AND YOUTRACK



SCRUM AND YOUTRACK

[Issues](#) ▾[Dashboards](#)[Agile Boards](#)[Reports](#) ▾[Projects](#)[New Issue](#) ▾[Everything](#) ▾

sort by: Updated desc



Project ▾

Assignee ▾

Priority ▾

State ▾

Tag ▾

+ More filters

PROJECTS

Get one-click access to issues in your favorite projects — open this list to find a favorite

> SAVED SEARCHES

> TAGS

1 ▾



3 ▾

17 ▾



Matches 89 issues

Sorted by Updated ▾

S



L



BOOKLY-85

integrate video in some blog entry



● Normal

Task

In Progres

stober.alex

Sprint 2

Not estim: 5h

2h 30m

● Requirer

● Elaborat

JHelm

19:14



BOOKLY-98

Fix Deploy Bug at Alex' IDE



● Normal

Bug

Done

stober.alex

Sprint 2

3h

5h

● Configura

● Elaboratic

JHelm

Yesterday



BOOKLY-97

MidtermGC.md Overview



● Normal

Task

Done

stober.alex

Sprint 1

Not estim: 2h 30m

2h 25m

● Requirer

● Elaborat

stober.alexandra

Yesterday



BOOKLY-20

create Use Case Diagrams for each scribble

Design ✕

Requirements ✕

Inception ✕

2



● Minor

User Story

Done

stober.alex

Unschedu

Not estim: 5h

4h 30m

● Analysis

● Inceptio

JHelm

Yesterday



BOOKLY-89

Update DB Scheme



● Normal

Task

Done

JHelm

Sprint 2

Not estim: 20m

15m

● Analysis

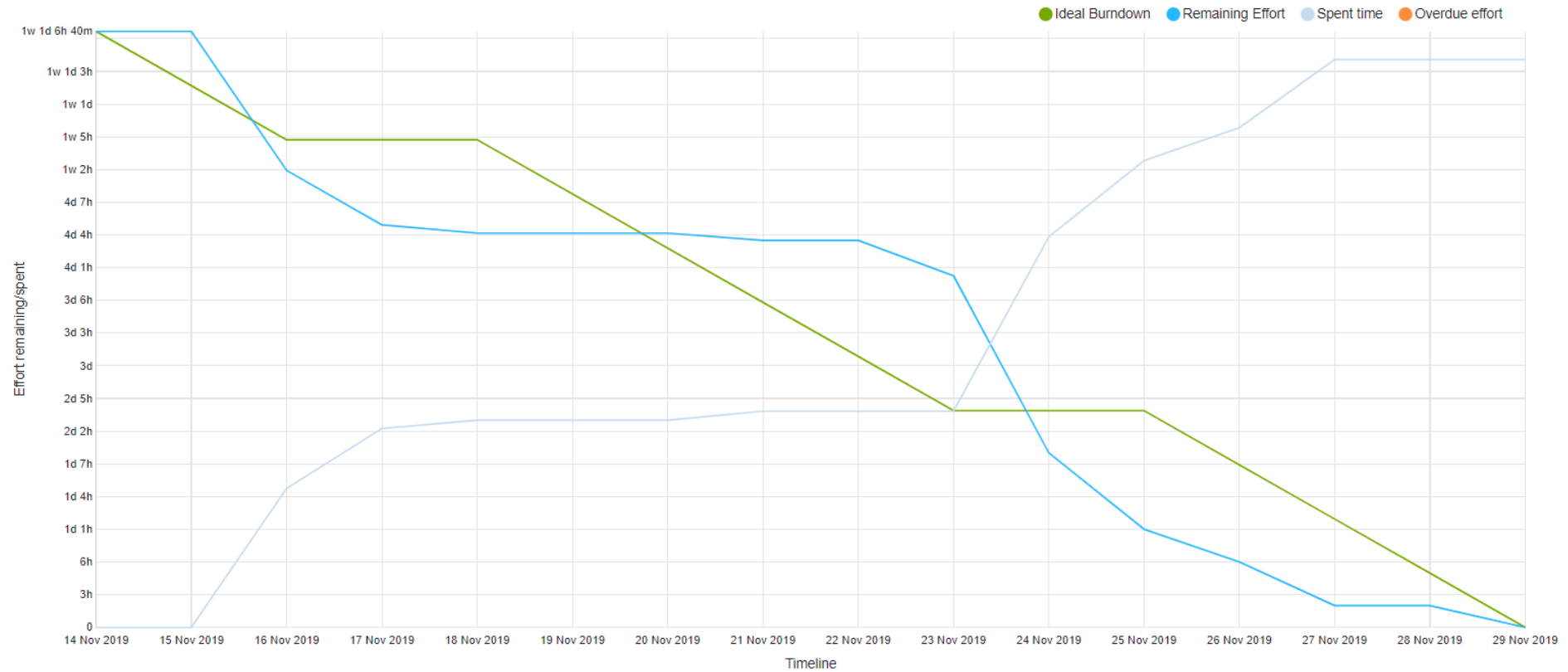
● Elaborat

JHelm

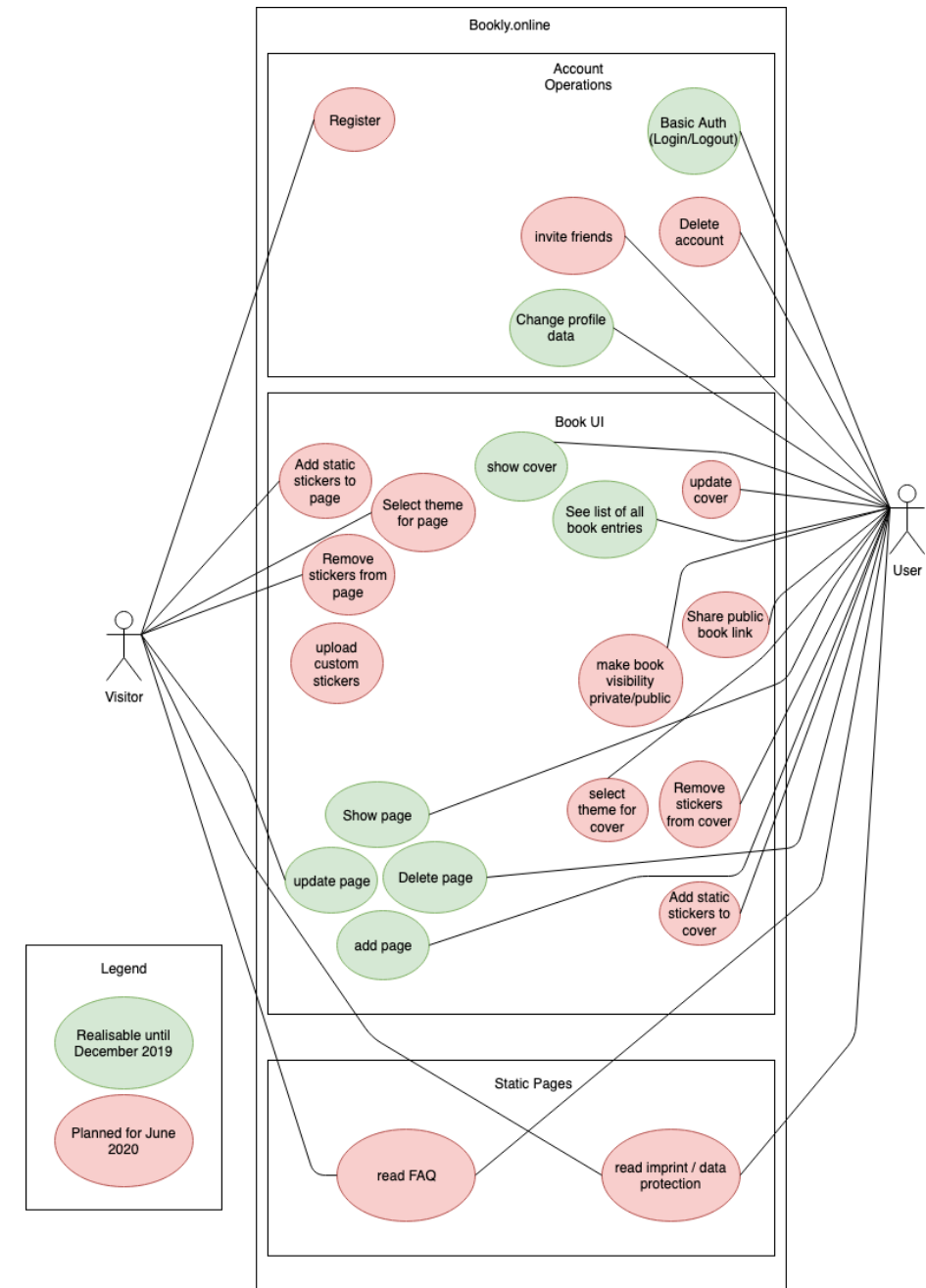
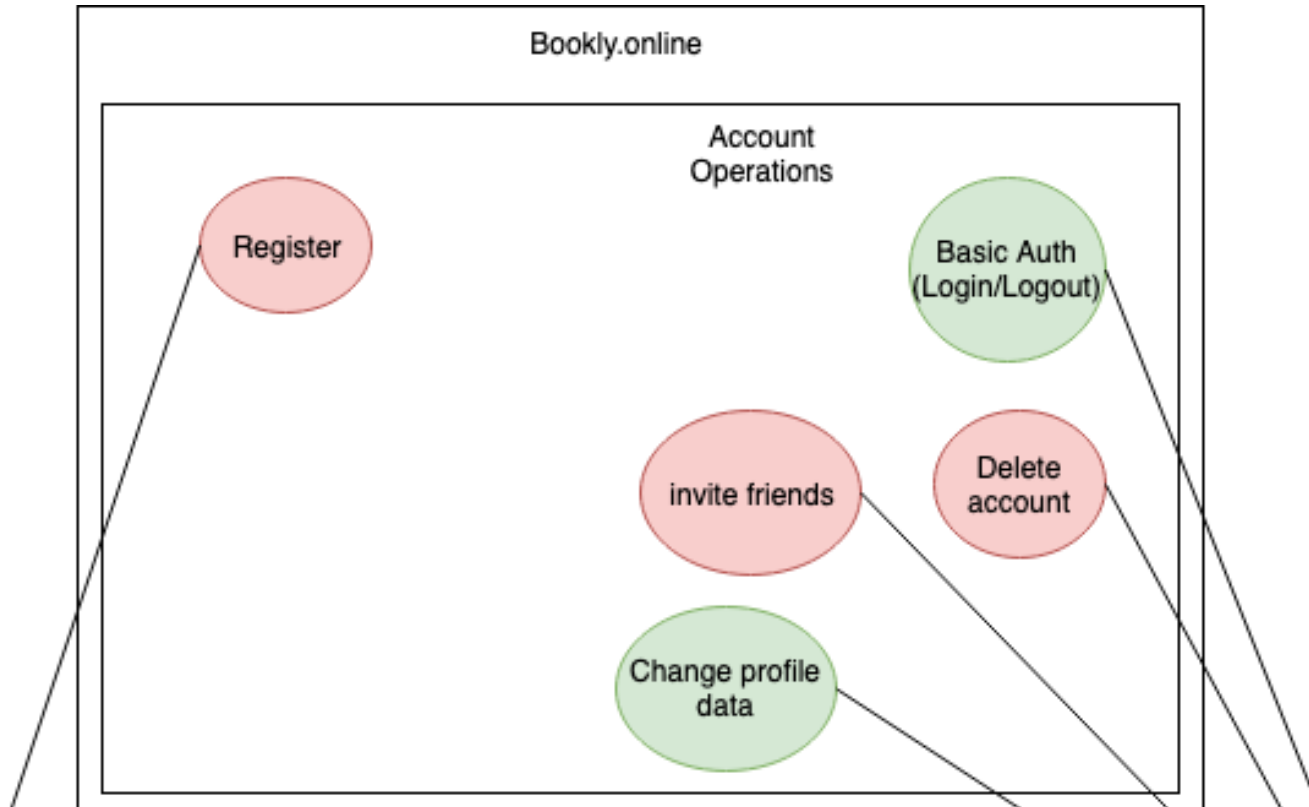
Yesterday



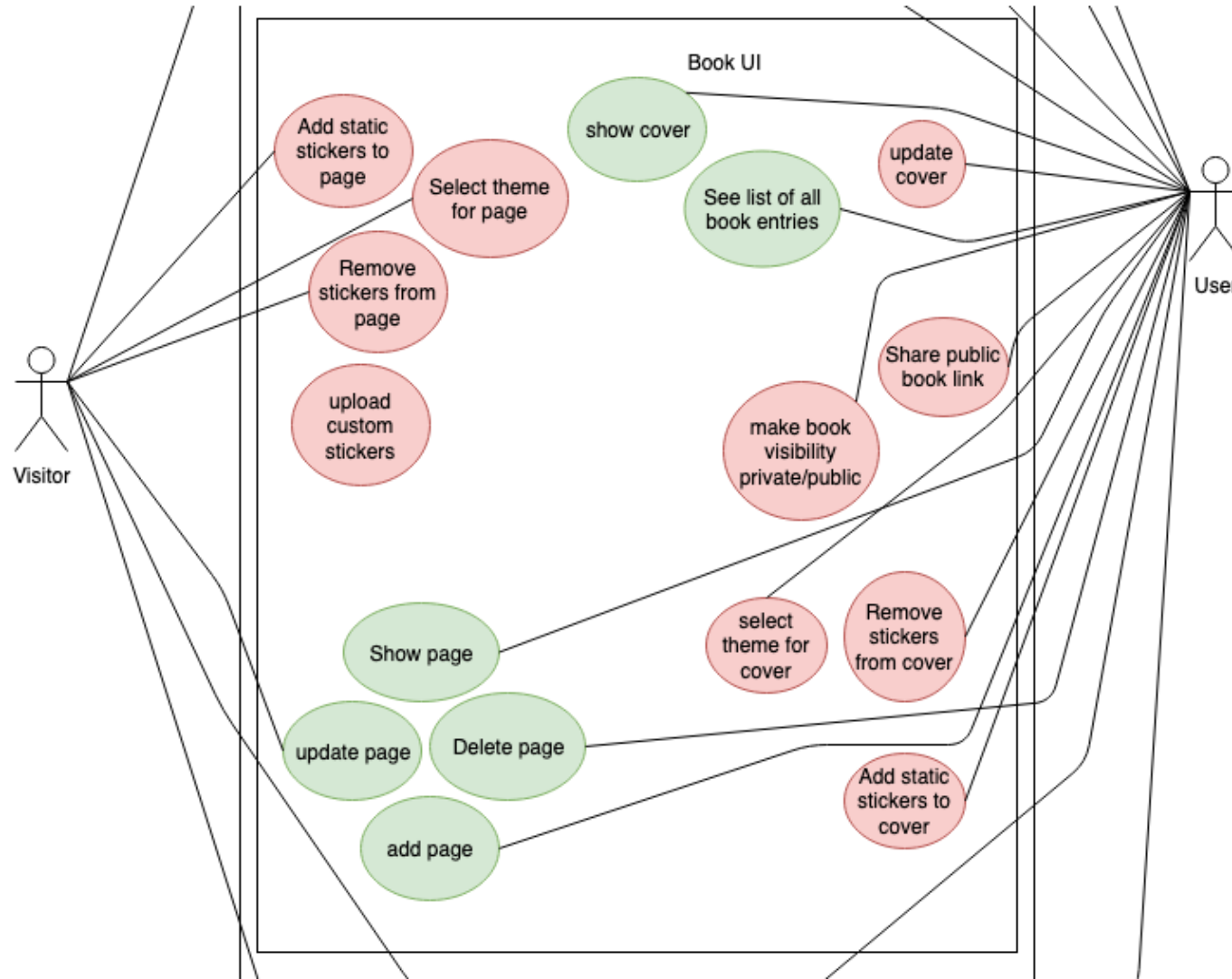
BURN-DOWN-CHART



EXTEND OF FUNCTIONALITY



EXTEND OF FUNCTIONALITY



USE CASES FOR MOCKUP

- CRUD: Manage page:
 - C: create book entry - S E
 - R: read an entry - S E
 - U: update/edit an entry - S E
 - D: delete an entry - S I
- CRUD: Manage Book:
 - C: create a book - S E
 - R: show all entries & cover - S E
 - U: update the cover - X I
 - D: delete the whole book - S I

Legend:

S=Scope; X = out of scope;

I = Included in CRUD (not counted as UC)

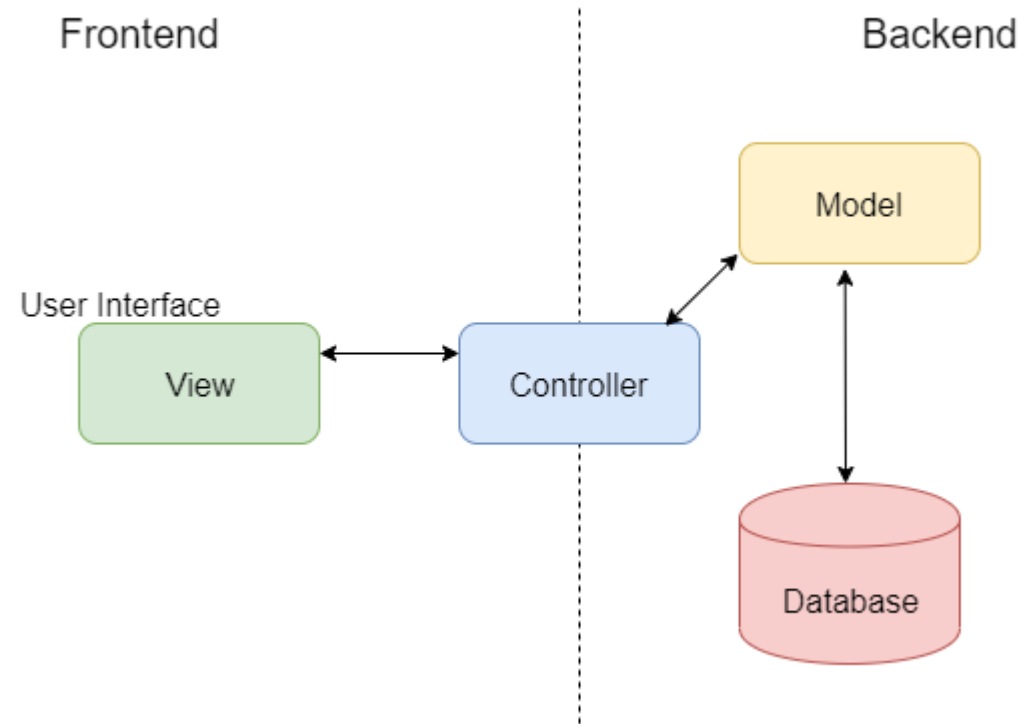
E = Excluded (external UC document -> counted as UC)



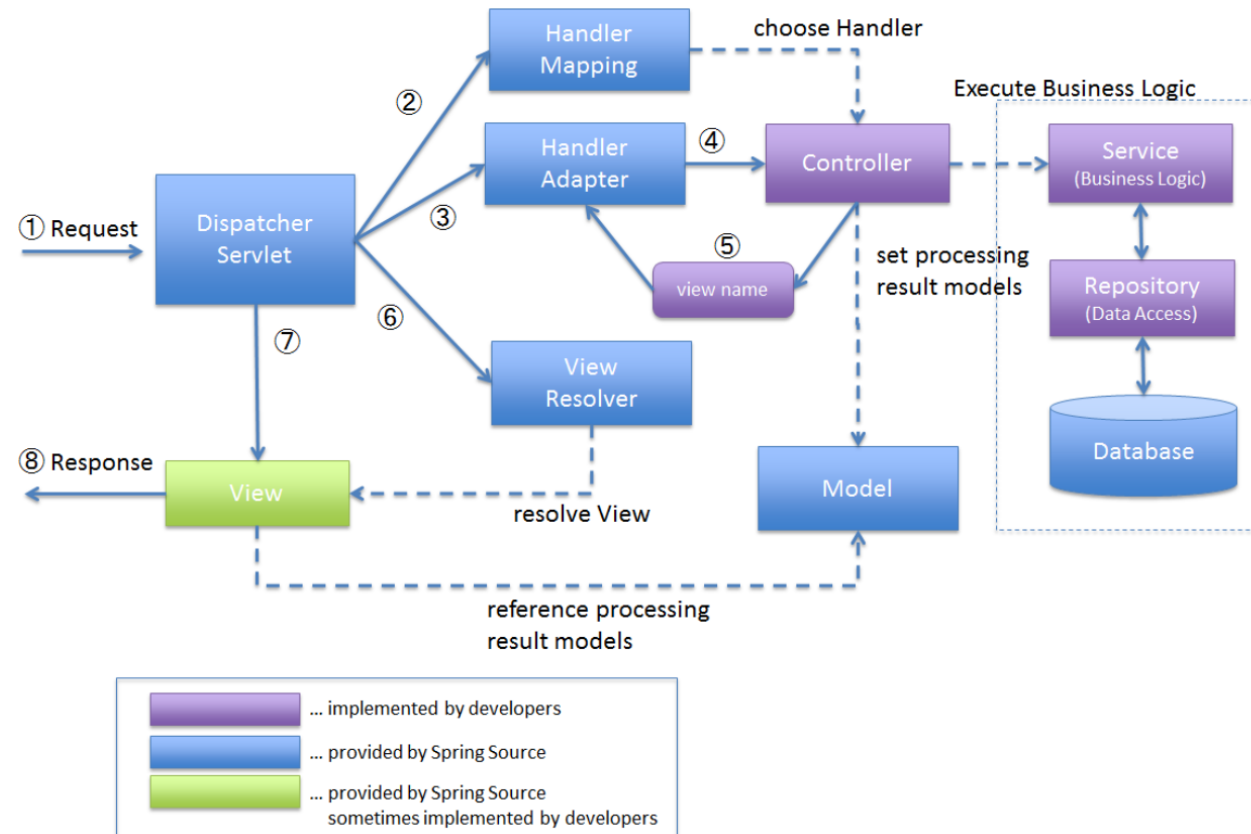
ARCHITECTURE - OVERVIEW



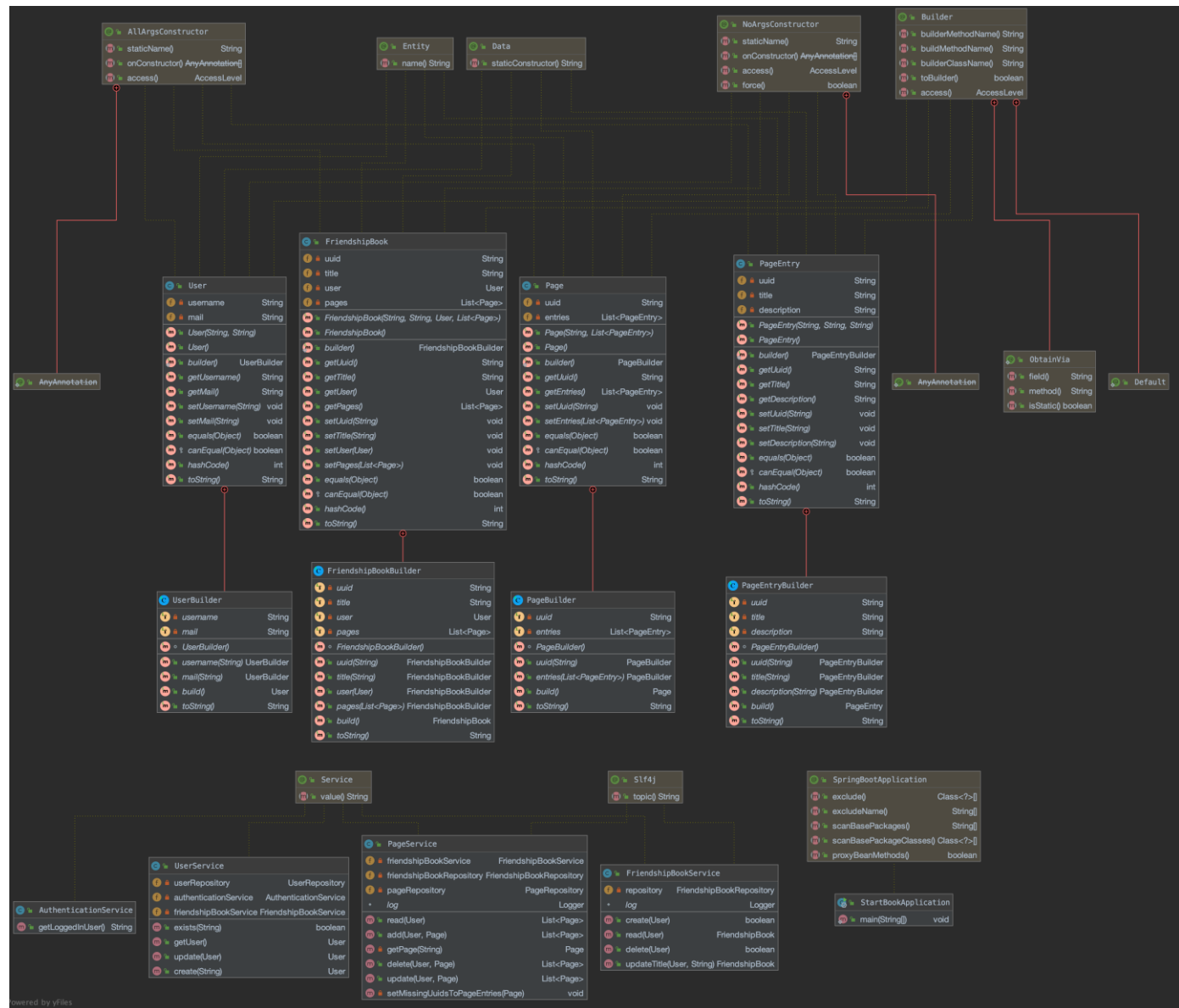
ARCHITECTURE - OVERVIEW



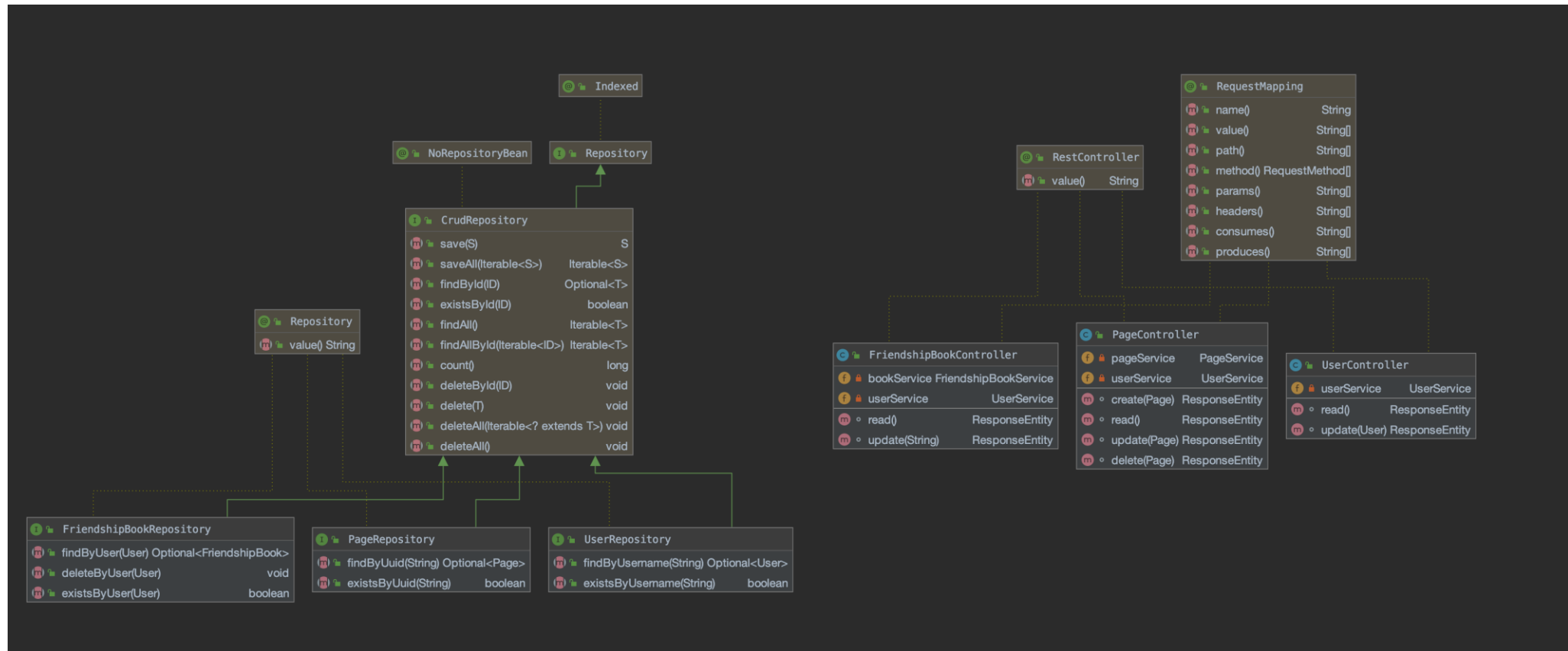
ARCHITECTURE — OVERVIEW



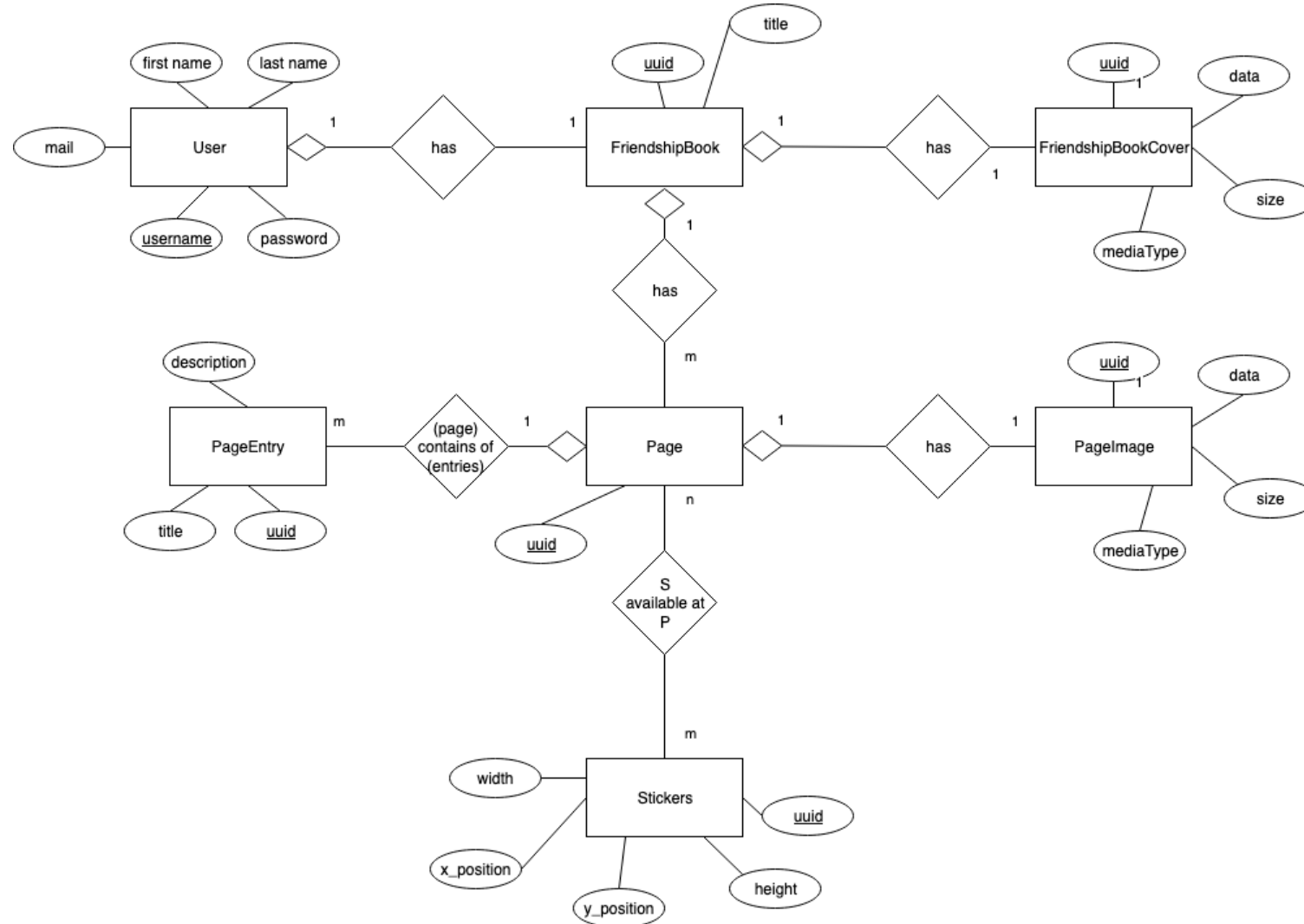
CLASS DIAGRAM



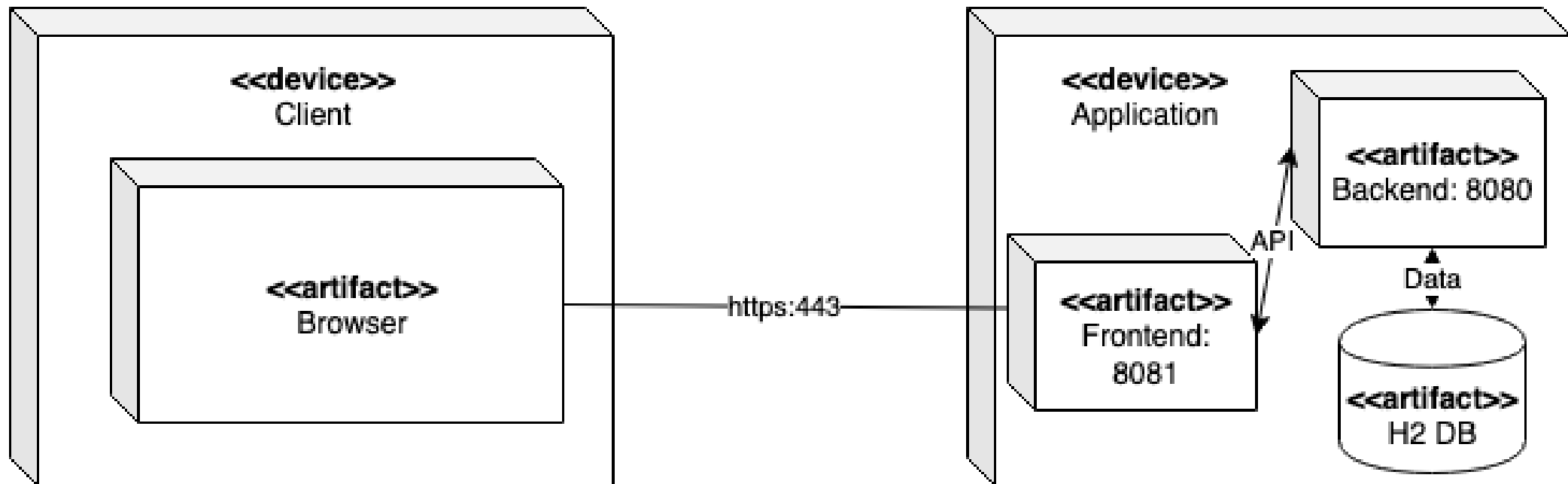
CLASS DIAGRAM



ARCHITECTURE – DATA VIEW



ARCHITECTURE – DEPLOYMENT VIEW



AUTOMATION

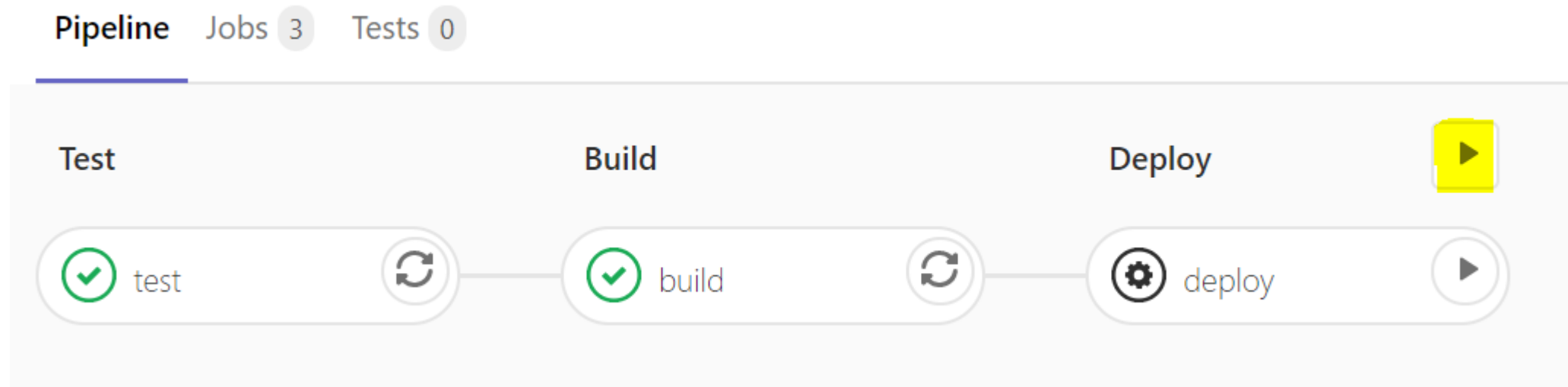
- BDD tests with Cucumber are up and running

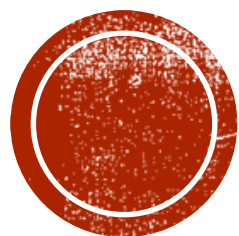
```
public class Stepdefs {  
  
    private String answer;  
  
    @Given("I login with {string}{string}")  
    public void i_am_logged_in(String username, String password) throws Exception {  
        TestRestTemplate testRestTemplate = new TestRestTemplate();  
  
        HttpHeaders headers = new HttpHeaders();  
        headers.setContentType(MediaType.MULTIPART_FORM_DATA);  
        String encodeBytes = Base64.getEncoder().encodeToString((username + ":" + password).getBytes());  
        headers.add(HttpHeaders.AUTHORIZATION, headerValue: "Basic " + encodeBytes);  
  
        MultiValueMap<String, Object> body = new LinkedMultiValueMap<>();  
  
        HttpEntity<MultiValueMap<String, Object>> request = new HttpEntity<>(body, headers);  
        ResponseEntity<String> response = testRestTemplate.exchange(  
            url: "http://localhost:8080/api/user", HttpMethod.GET, request, String.class,  
            new LinkedMultiValueMap<>());  
        answer = response.getBody();  
        System.out.println(answer);  
    }  
}
```



AUTOMATION

- Pipeline: automatic Test -> Build -> Deploy with one click





DEMO



BOOKLY - friendship book