

# COMP23412

## Week 5: Specification by Example

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## Add an event to the system (name, date, time, venue, description).

- Do all fields need to be complete?
- Do any fields need to be in a specific format?
  - *Event must have a name, date and venue.*
  - *Name must be < 256 chars*
  - *Date must be in the future.*
  - *Description must be < 500 chars.*
  - *Time is optional.*
  - *Description is optional.*

## **View all events in a list, with summary information (name, date, venue), ordered by date.**

- Are events in the past different to events in the future?
- What if two events are on the same day?

## View all events in a list, with summary information (name, date, venue), ordered by date.

### Upcoming events:

Event Alpha  
11<sup>th</sup> July 2017  
12.30  
Venue B

Event Beta  
11<sup>th</sup> July 2017  
10.00  
Venue A

Event Apple  
12<sup>th</sup> July 2017  
Venue A

### Previous events:

Event Former  
11<sup>th</sup> January 2017  
11.00  
Venue B

Event Previous  
11<sup>th</sup> January 2017  
18.30  
Venue A

Event Past  
10<sup>th</sup> January 2017  
17.00  
Venue A

## Adding your own test data

- The initial test data is no longer sufficient to test all the requirements
- Test data needs to be
  - Comprehensive – cover all requirements
  - Correct
- But sometimes
  - Incorrect

# Validation in Spring

- On the entities
  - @NotEmpty
  - @Size
  - @Pattern
  - *See Greeting.java from week 1*
  - *Also see the constraints defined in the JSR380 framework*
- In the controller
  - State which field you want to be validated
  - Provide parameter to capture errors
  - *See GreetingController.java from week 1*

# Planning your work

- Create issues in your team repository
- Distribute them among team members
- Some requirements may require multiple issues