



MVP demonstration!

Wednesday - Week 4

Spring Data



Spring Data

- This is the 'parent' framework for all the database goodness

Wednesday - Week 4

Building a RESTful service



Mapping POJO into RestPoints

- This optional tutorial from last week:

<https://youtu.be/he63dwZdhOM>

<https://youtu.be/rXBsnNCH59o>

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Spring Hibernate

But where does the data come from?

- SQL of course!
- not SQLite 😭
- We need a real database



Gratuitous code demonstration



~~Gratuitous code demonstration~~



PRODUCT SHOWCASE



Real Code

- No database here though!
- Clone from:
`git@gitlab.com:muskatel/data-exmaple.git`

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Tasks

Task for Friday

- Build a database
 - Use hibernate to persist data
 - Build rest points for the database
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- I found MAMP to be an easy to setup a mySQL server
<https://www.mamp.info/en/>

Database requirements

- user table (5 minimum)
 - User login information
- character table (1-3 per user)
 - Character details (name/level)
- class table (3 minimum)
 - What abilities that class has access to

REST requirements

- GET /users
returns all user names
- GET /user/{id}
returns info for one user
- GET /character/{id}
returns character info
- GET /class/{className}
returns info for that class



REST requirements

- POST /user
add a new user
- POST /character
add a new character
- Data must be sent in POST body (not header/parameters)