Akbar and Ahmed are walking across the desert. Akbar carries five loaves of bread while Ahmed carries three. Along the way, they meet a fellow traveller, Birbal. She asks them if she could share their meal.

The two men agreed so they sat down and shared the eight loaves of bread. As they are decent and sensitive people, all three of them ate the same amount of bread.

As they parted ways, Birbal gave her thanks and handed the two men eight coins. How many coins should each man receive?

SCRUM Level 1

Sprint Planning

Sprint Backlog

- Contains a breakdown of all tasks to be done, based on the needs of not just the Product Owner, but the entire team
- We expect items in this column to be unassigned
- We also expect items in this column to have complexity, effort and/or priority estimates

To Do

- Items placed here are expected to be done by the end of the sprint period
- Items in this column may or may not be assigned
- Also: On Hold

In Progress

- Items placed here are definitely assigned to a team member
- It is unusual for there to be more than one item in this column assigned to the same person.
- Also: Software Dev, Code Review, QA

Done

- Surprisingly (or maybe not) different teams have varying definitions of "Done"

- Passed code review?
- Passed automated testing?
- Passed QA?
- Deployed on staging?
- Deployed on production?

REST Level 2

HEAD, PUT, POST and DELETE

GET

- Most HTTP Requests are use the GET HTTP method

- GET /users (give me a list of users)
- GET /users?age=17 (give me a list of users aged 17 yo)
- GET /users/21.xml (give me the details of user #21 in XML format)
- GET /users/tyrion (give me the details of user tyrion)

- GET /assets/style.css (give me the stylesheet named style.css)
- GET /favicon.ico (give me the favicon for this domain)

POST

- Semantically speaking, POST means "create a new object"

```
POST /users HTTP/1.1
Content-Length: 44
Content-Type: application/x-www-form-urlencoded

first_name=Cersei&last_name=Lannister&age=29
or
age=29&first_name=Cersei&last_name=Lannister
```

POST

- If a POST request succeeds, the proper response is 201 Created
- 200 OK will also be alright IF you are returning an HTTP body

- If it fails because of incorrect parameters, 400 Bad Request
- If the object already exists, 409 Conflict
- Generally speaking, though, 400 Bad Request is a safe catch-all

PUT

- A PUT request is an attempt to update or overwrite an object

```
PUT /users/eddard HTTP/1.1
Content-Length: 11
Content-Type: application/x-www-form-urlencoded

status=dead
```

PUT

- A PUT request is an attempt to update or overwrite an object

```
PUT /users/eddard HTTP/1.1
Content-Length: 18
Content-Type: application/json

{“status”: “dead”}
```

PUT

- A PUT request is an attempt to update or overwrite an object

```
PUT /users/eddard HTTP/1.1
Content-Length: 21
Content-Type: application/xml

<status>dead</status>
```

PUT

- A PUT request is an attempt to update or overwrite an object

```
PUT /assets/style.css HTTP/1.1
Content-Length: 46
Content-Type: text/css

.ninja {
  color: #000000;
  visibility: hidden;
}
```

PUT

- When a PUT request succeeds, respond with 204 No Content
- Again, 200 OK is fine IF Content-Length > 0

- If the incoming Content-Type is not supported or inappropriate, use 415 Unsupported Media Type
- If the object is not there, 404 Not Found
- If the parameters are otherwise valid, but would cause conflict, for example, putting role=king for /users/joffrey while /users/robert is still king, use 409 Conflict
- Again, if in doubt, 400 Bad Request

HEAD

- Functionally identical to GET, except it never returns an HTTP body
- Content-Length is still a positive amount
- Useful for saving bandwidth, especially if you already have a cached copy of the object

- Both GET and HEAD methods are idempotent
- PUT and DELETE are also idempotent (but not safe)

DELETE

- Self-explanatory, removes the object
- On success, return 204 No Content
- As usual, if the object does not exist, 404 Not Found

SCRUM Level 2

Daily Scrum

Daily Scrum

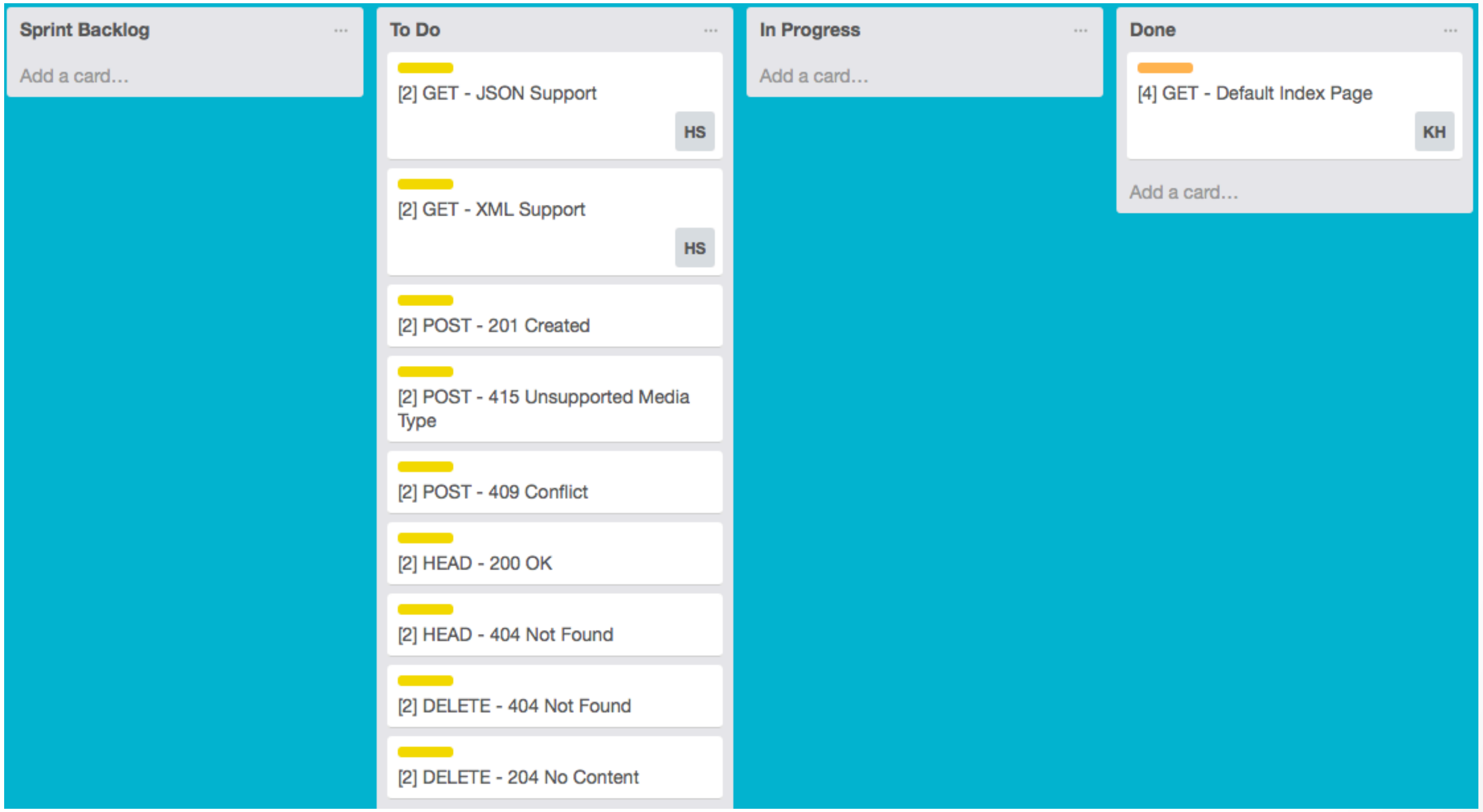
- Also known as stand-up meetings, typically < 15 mins
- Always takes place at the same time and same place
- Each member briefly outlines:
  - What he/she did yesterday
  - What he/she will do today
  - What blockers are/were being encountered

- Take note, the goal is to inform others what you're up to
- DO NOT try to solve problems in this meeting, save it for later

Jojo’s Bizarre Adventure

ジョジョの
奇妙な冒険
2012年10月より
TVアニメ放送開始！
8月18日(土)発売のウルトラジャンプにて、
放送局、キャスト情報などの最新情報を発表予定ィィィ!!

Team Winter



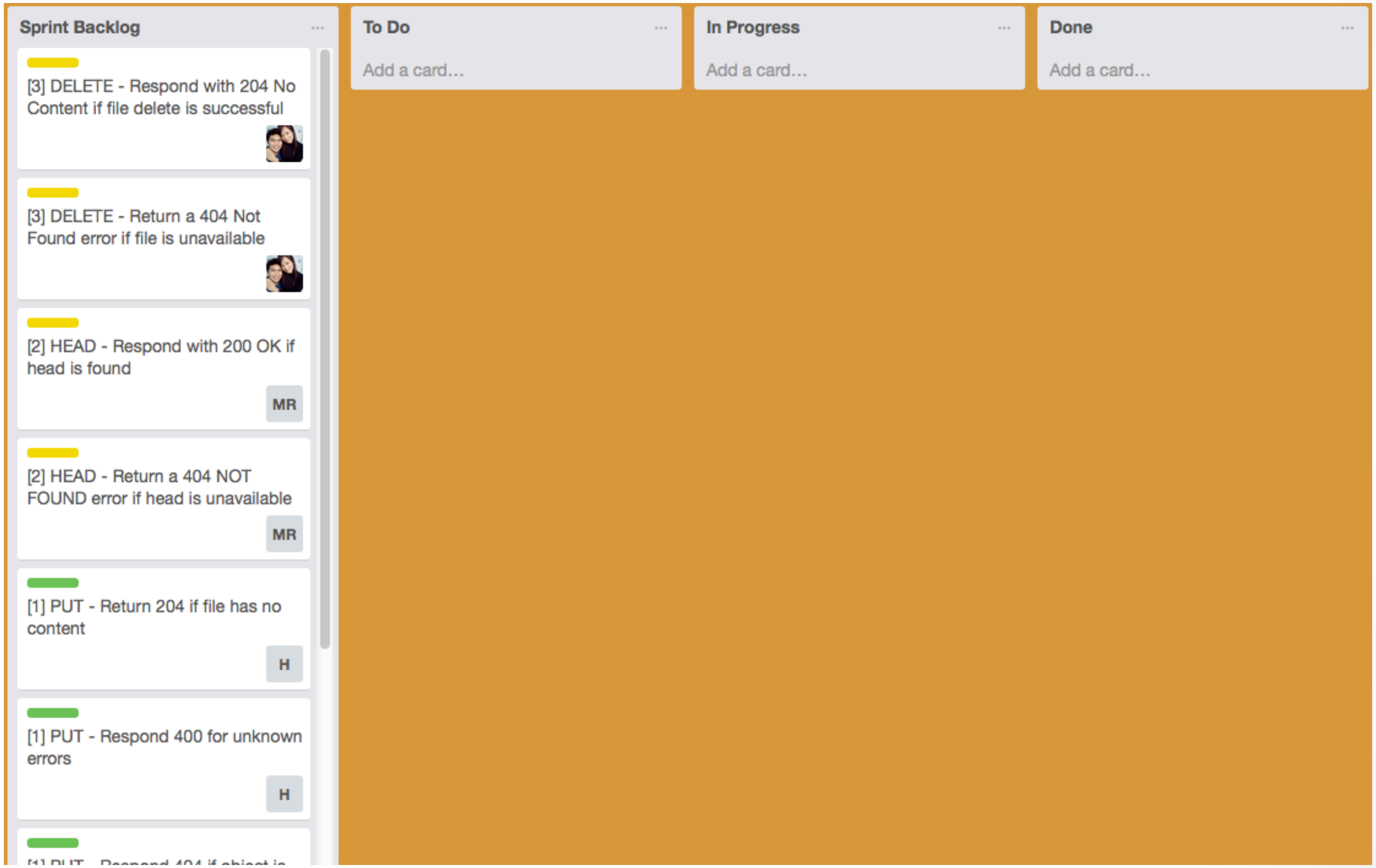
Sprint Backlog ...
Add a card...

To Do ...
[2] GET - JSON Support HS
[2] GET - XML Support HS
[2] POST - 201 Created
[2] POST - 415 Unsupported Media Type
[2] POST - 409 Conflict
[2] HEAD - 200 OK
[2] HEAD - 404 Not Found
[2] DELETE - 404 Not Found
[2] DELETE - 204 No Content

In Progress ...
Add a card...

Done ...
[4] GET - Default Index Page KH
Add a card...

Team Summer



Sprint Backlog

[3] DELETE - Respond with 204 No Content if file delete is successful

[3] DELETE - Return a 404 Not Found error if file is unavailable

[2] HEAD - Respond with 200 OK if head is found

MR

[2] HEAD - Return a 404 NOT FOUND error if head is unavailable

MR

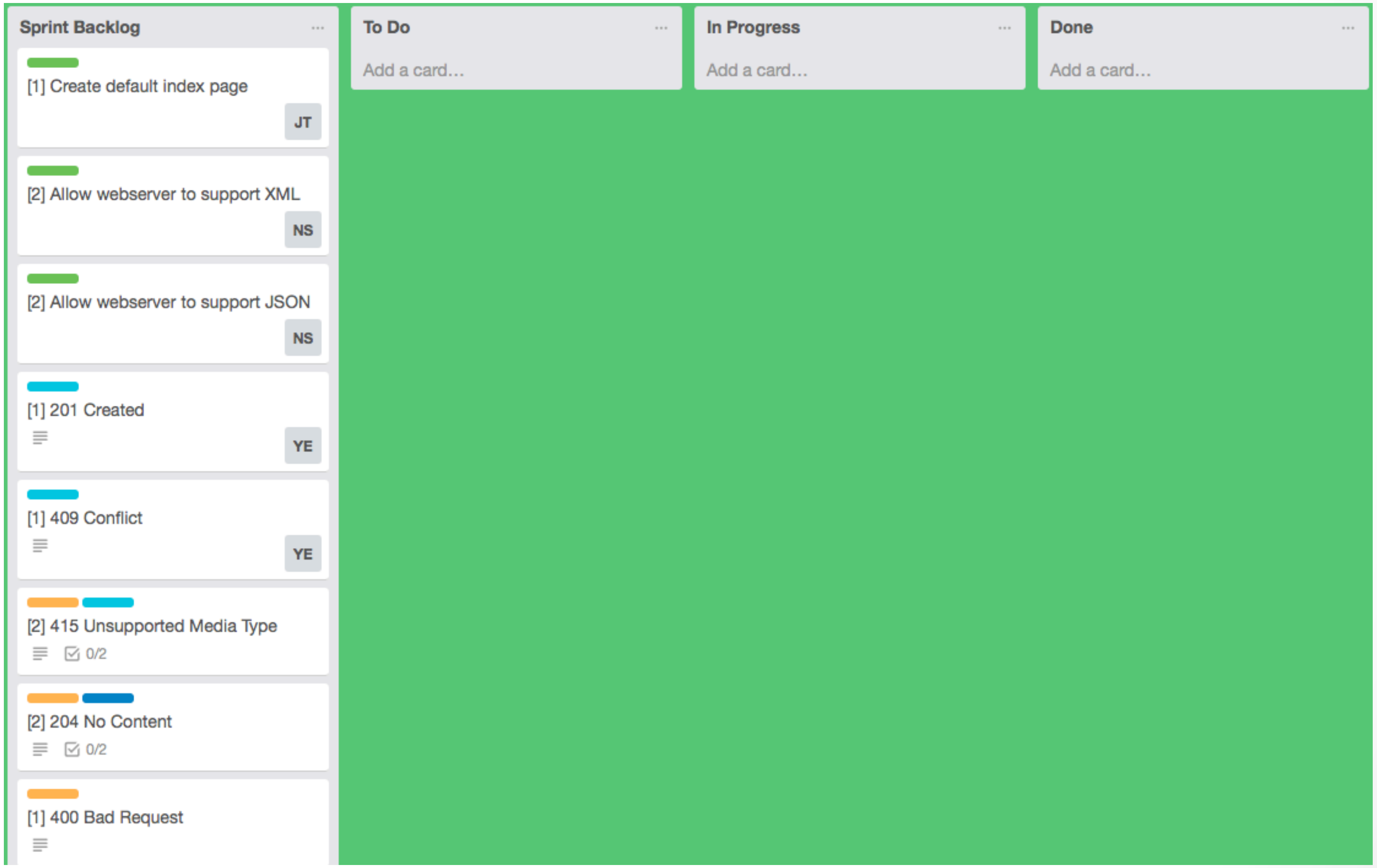
[1] PUT - Return 204 if file has no content

H

[1] PUT - Respond 400 for unknown errors

H

Team Spring



Sprint Backlog

[1] Create default index page
JT

[2] Allow webserver to support XML
NS

[2] Allow webserver to support JSON
NS

[1] 201 Created
YE

[1] 409 Conflict
YE

[2] 415 Unsupported Media Type
0/2

[2] 204 No Content
0/2

[1] 400 Bad Request

To Do

Add a card…

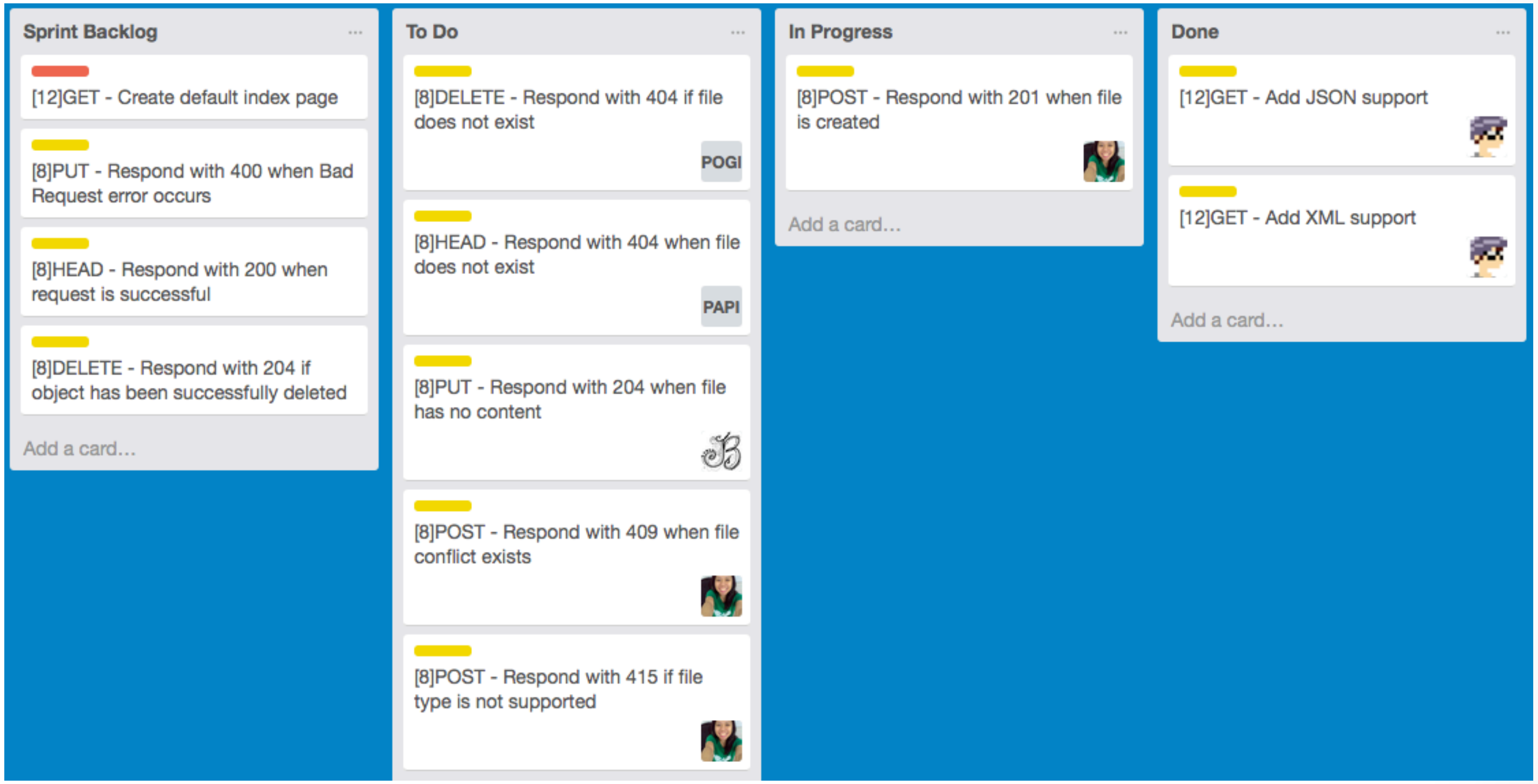
In Progress

Add a card…

Done

Add a card…

Team Monsoon



Sprint Backlog

- [12]GET - Create default index page
- [8]PUT - Respond with 400 when Bad Request error occurs
- [8]HEAD - Respond with 200 when request is successful
- [8]DELETE - Respond with 204 if object has been successfully deleted

Add a card…

To Do

- [8]DELETE - Respond with 404 if file does not exist — POGI
- [8]HEAD - Respond with 404 when file does not exist — PAPI
- [8]PUT - Respond with 204 when file has no content
- [8]POST - Respond with 409 when file conflict exists
- [8]POST - Respond with 415 if file type is not supported

In Progress

- [8]POST - Respond with 201 when file is created

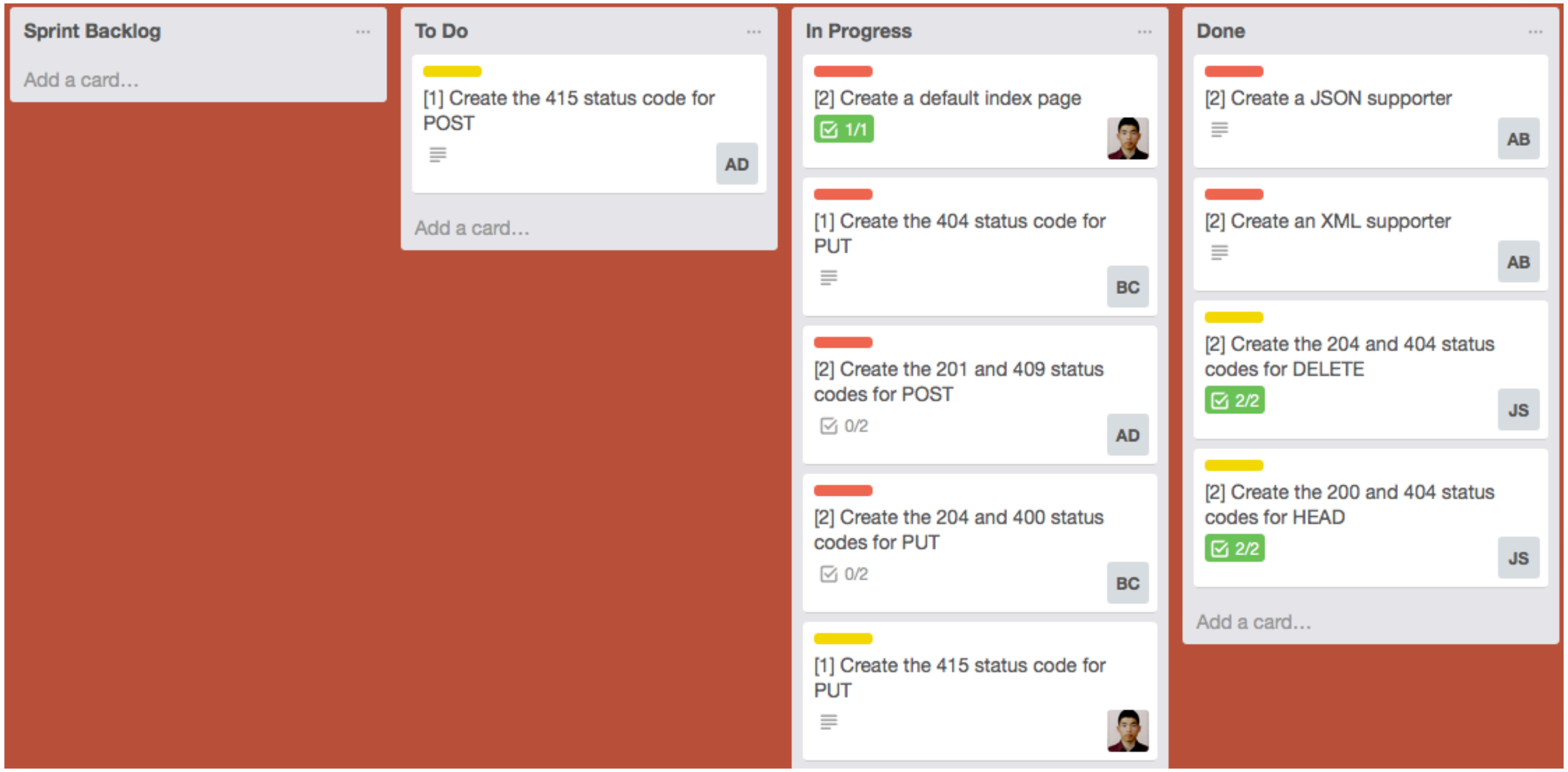
Add a card…

Done

- [12]GET - Add JSON support
- [12]GET - Add XML support

Add a card…

Team Autumn



Sprint Backlog

Add a card…

To Do

- [1] Create the 415 status code for POST — AD

Add a card…

In Progress

- [2] Create a default index page — 1/1
- [1] Create the 404 status code for PUT — BC
- [2] Create the 201 and 409 status codes for POST — 0/2 — AD
- [2] Create the 204 and 400 status codes for PUT — 0/2 — BC
- [1] Create the 415 status code for PUT

Done

- [2] Create a JSON supporter — AB
- [2] Create an XML supporter — AB
- [2] Create the 204 and 404 status codes for DELETE — 2/2 — JS
- [2] Create the 200 and 404 status codes for HEAD — 2/2 — JS

Add a card…

GIT Level 3

Daily Scrum

Gitflow Workflow

- master – the product accessible by the client
- develop – the product accessible by the developers
- feature-branches – self-explanatory
- release-branches – branch from develop, merge into master
- hotfix – branch from master, merge into master AND develop

Another (Hybrid) Workflow

- master
- develop
- feature-branches
- release-branches
- hotfix

- staging-branches – throw-away branches

References

https://www.atlassian.com/git/tutorials/comparing-workflows