CLASS-3

Sprint 2 Details

Schedule

монтн	WEEK	MON	TUE	WED	THUR	FRI	SAT	SUN	
AUG	1	5	6	7	8	9	10	11	
	2	12	13	14	15	16	17	18	Sprint 1
	3	19	20	21	22	23	24	25	
	4	26	27	28	29	30	31	1	Cariat 2
	5	2	3	4	5	6	7	8	Sprint 2
SEPT	Exam 1	9	10	11	12	13	14	15	
SEPI	6	16	17	18	19	20	21	22	Sprint 2
	7	23	24	25	26	27	28	29	Sprint 3

- O Sprint 1 ends on 26 Aug 2024
- O Must commit Sprint 2 by 27 Aug 2024
- O Can UAT Sprint 2 by 16 Sep 2024

Issues/questions in sprint 1

- SQL Error 1040: Too Many Connection
- O Decoding JWT token on client
- O Validate JWT token on client?

SPRINT 1 UAT

PBI	NAME	BRIEF DESCRIPTION
15	MATCH-PASSWORD	Check whether the <u>username</u> : <u>password</u> pair matches the stored credential
16	VALIDATE-MATCH-PASSWORD	Extend PBI15. Validate inputs on FE and BE
17	AUTHENTICATE-WITH-JWT-TOKENS	Extend PBI15. BE returns JWT access token when the credential is correct

- Must pass both cypress and postman tests
- password must be blinded
- O must use itbkk_shared << test in sprint 2</p>
- O BE must not provide any service that return password << no way to test
- [PBI17] should use secret secret/key-pairs << may see on exam
- [PBI17] token is well-formed with specified claims and 30 mins expiration time <<
 test on postman

SPRINT 2 PBIs

PBI	NAME	BRIEF DESCRIPTION
18	SIMPLE-AUTHZ	User must authenticate before using the system
19	PERSONAL-BOARD	Each user can create his/her own personal task board

PBI18 SIMPLE-AUTHZ

User must authenticate before using the system.

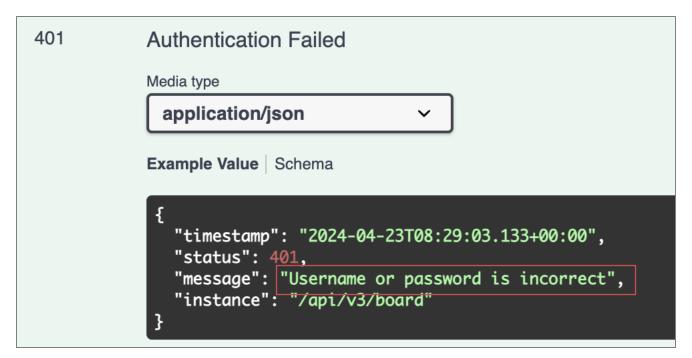
FE (any page other than /login)

- 1. if not authenticated, redirect to login page
- 2. send access token in the header of every request to BE
- 3. if BE response 401, reset authentication state and redirect to login page

BE (any endpoint except /login)

1. must received valid token in the header of the request

Scenario	BE Code	FE behavior		
authenticated and token is valid	as expected	as expected		
not authenticated / no token	401	redirect to /login (use navigation guard)		
token is expired	401	reset state and redirect to /login		
token is not well-formed JWT	401	as above		
token has been tampered with	401	as above		



the message depends on scenario

PBI19 PERSONAL-BOARD

Each user can create his/her own personal task board

Business/technical conditions

- 1. New user does not initially own any board.
- 2. A user can create one board and becomes the owner of that board. (may extend to own multiple boards in the future)
- 3. A board must be own by one and only one user.
- 4. Custom statuses (PBI6–8) is specific to each board. No two boards share the same custom statuses.
- 5. User must be able to perform actions in PBI1-8.
- 6. (OPTIONAL) User is able to perform actions in PBI10-14.
- 7. Restrictions of actions on his/her own personal board only will be implemented in PBI20.
- 8. Use Nano ID with length=10 as board-id.
 [Note that the generated id may not be unique, should handle exception from DB]

[PBI19] CREATE PERSONAL-BOARD

FE (/board)

- 1. set as home page
- 2. If the user own a personal board, redirect to the user personal board (/board/:id)
- 3. If the user does not own any board, shows 'Create personal board' button
 - 1. when clicked, open modal window to specify board name SPEC: NOT-EMPTY, MAX-LENGTH(120)
 - 2. The default board name is "\$name personal board"
 - 3. validates input as in PBI16
 - 4. when 'Create' is clicked, send request to BE
 - 5. action:

201: redirect to the new (empty) board

401: as stated in PBI18

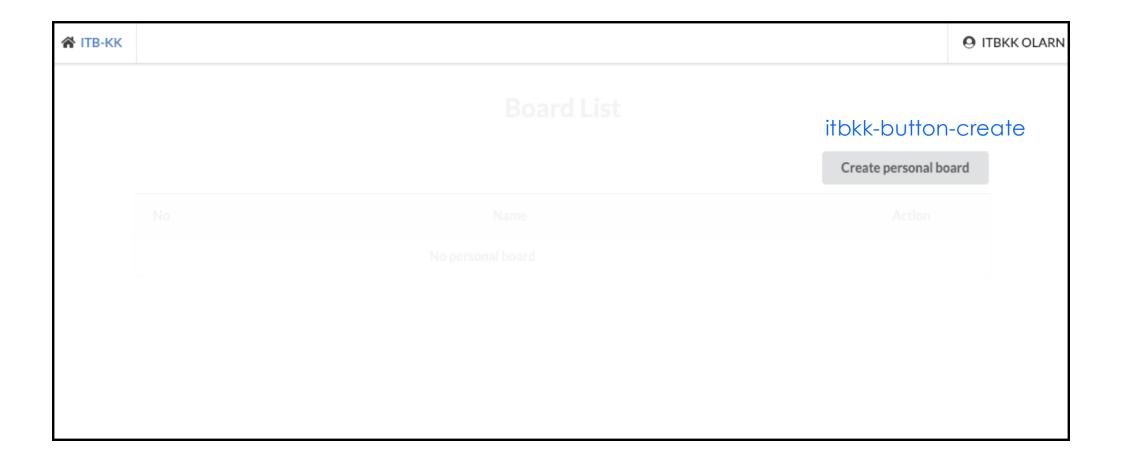
else: show "There is a problem. Please try again later." and stay on the same page

[PBI19] CREATE PERSONAL-BOARD

BE (/boards)

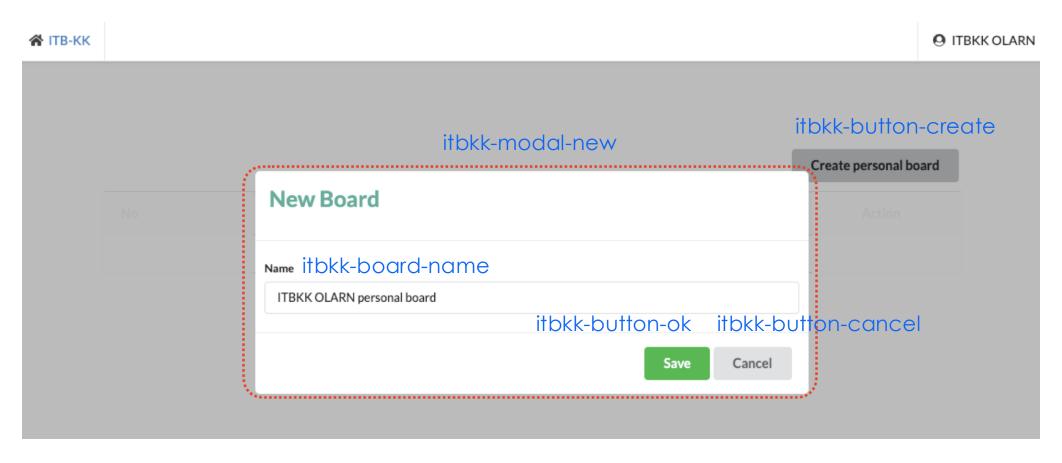
- 1. GET method:
 - returns board-id of the board own by the user specified in access token
- POST method with boardName in request body:
 create a new board for the user specified in access token returns:
 - 201 and created board object: successful creation
 - 400: boardName is null, empty, or length > MAX-LENGTH
 - 401: as stated in PBI18

Sample UI: Board Home (/board)



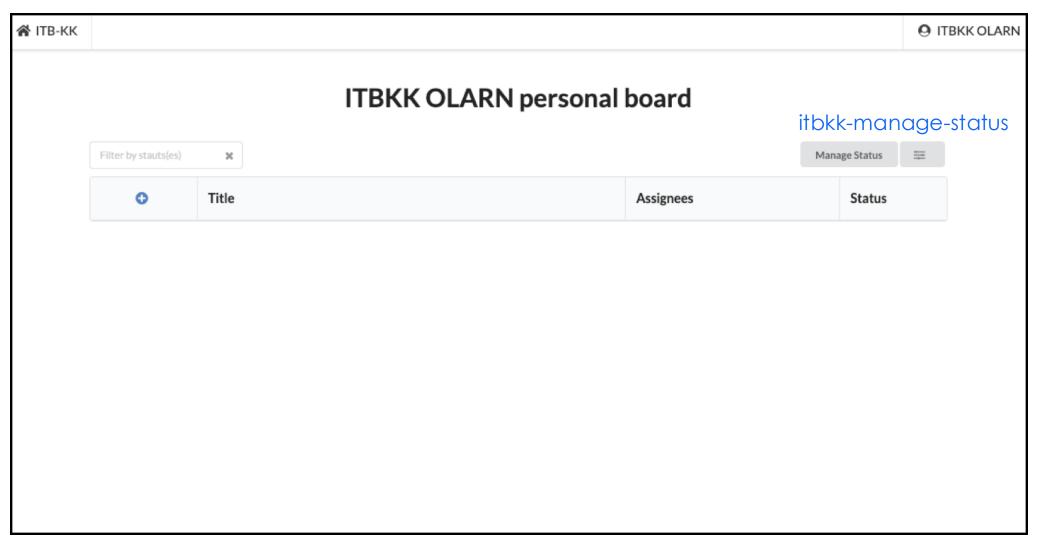
Sample UI: Create Board Modal

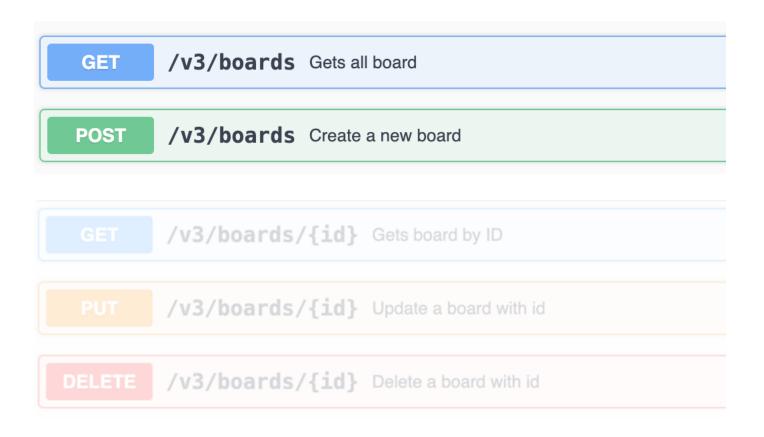
path: /board/add

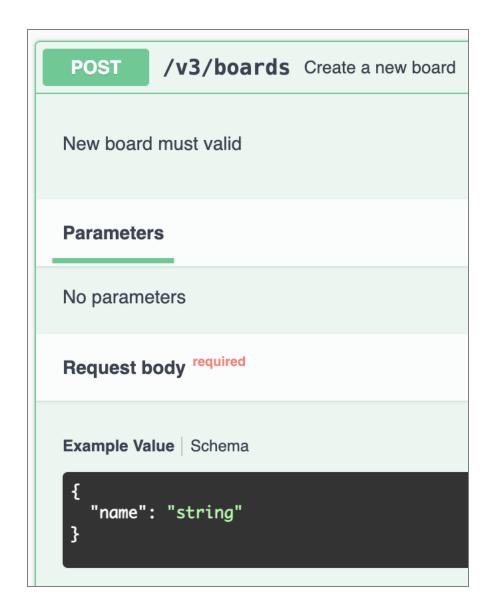


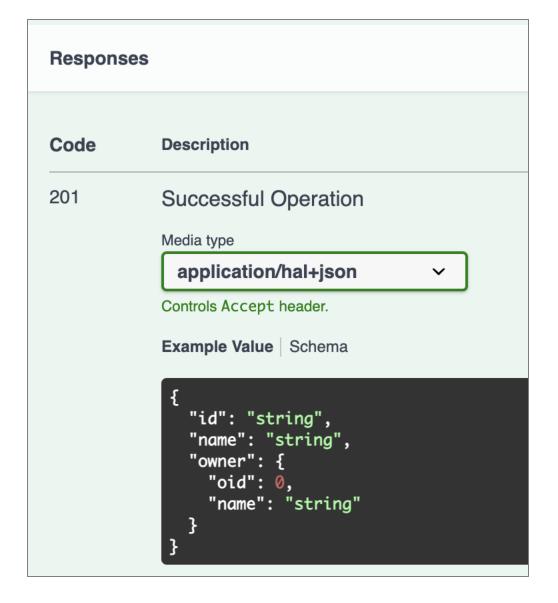
Sample UI: Board (/board/:id)

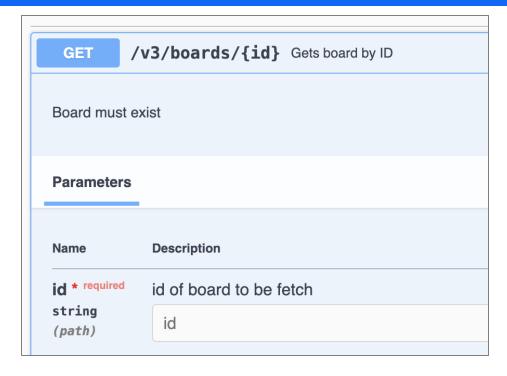
itbkk-home => /board itbkk-fullname

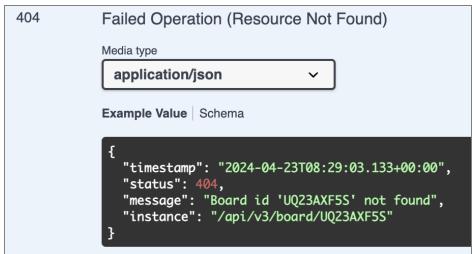


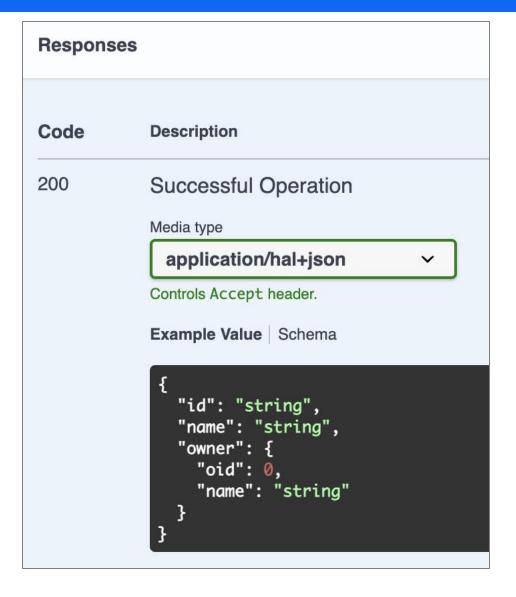












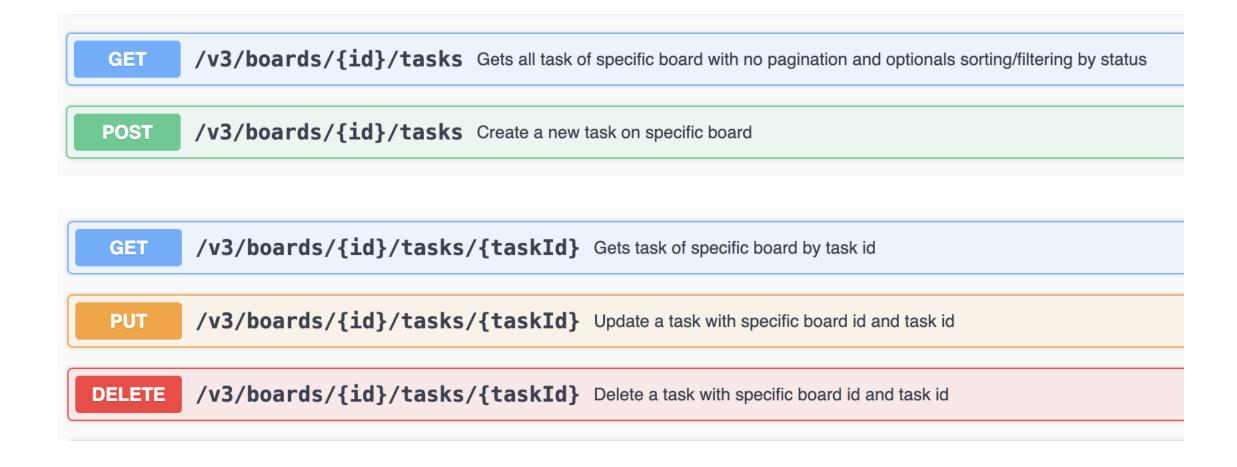
[PBI19] OTHER PAGES

FE (other pages)

- 1. change /task path to /board/:id to show tasks in {\$id} board
- 2. change /task/add path to /board/:id/task/add
- 3. change /task/:id/edit path to /board/:id/task/:task-id/edit
- 4. change /status path to /board/:id/status to show statuses in {\$id} board
- 5. update fetch API URLs to new endpoints

BE (other pages)

- change /tasks to /boards/{id}/tasks
 [ALL methods] returns 404 if there is no board with the specified id
 [PUT/DELETE] returns 404 if the specified task is not in the specified board
- 2. change /statuses to /boards/{id}/statuses [ALL methods] returns 404 if there is no board with the specified id [PUT/DELETE] returns 404 if the specified status is not in the specified board



Sprint 2 Test Cases

- O Follows logically from the requirements
- O Team should try to come up with test cases first
- O Actual test cases will be released later
- O (postman) will test with new (unseen) user!

Sprint 3 Technical Spike

- Secure connection (nginx +optional spring boot)
- O Authz personal board (including task/status) private/public
- O Refresh token
- Token storage