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# NEXT GEN EMOTION COMPUTING ITERATION 3



# Our Client

- **Peak Mind**
- Dr. Alicia Mckoy
- VR Stress Reducing Technology
- Personalized coaching and support
- Identify employees at risk of burnout
- Provide early intervention



# Team Members

Beethoven



Peter



Ethan



Tommy



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# Upload and Display Recorded Video from Backend

- FR3. (Corresponds to BR1) (Priority: LOW) A user may log in with a six-digit code to view a visualization of their collected data.
- BR1. Reduce stress in the workforce

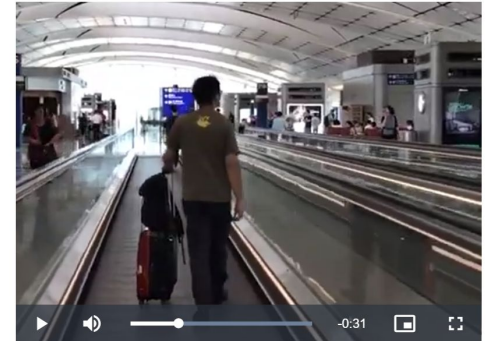
SESSION VIDEO

HEART RATE

HRV

PUPILLOMETRY

COGNITIVE LOAD



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# Iteration 4 features

- FR4 (Corresponds to BR2): Authentication for video upload (Security Feature)
- NR6 (Corresponds to BR1): Update UI using modern Peak Mind color palette and logo
- FR3 (Corresponds to BR1): Implement 6-digit system in place of usernames

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# Mentor Feedback

Wyatt:

- All team member's machines need to be working ASAP
- Because Docker is resource intensive, it may be a good idea to have remote meetings from more powerful desktop PCs.
- Have a weekly scrum meeting at the beginning of the week to gauge progress and set goals.

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# Client Feedback

Dr. Mckoy:

- Video display functionality is good!
  - Export video button is a useful feature!
  - Login screen needs updated Peak Mind logo
    - Some concern that we may not have been given the latest repository
  - Exported videos need to tag the 6 digit code instead of usernames.
  - New sample data should be utilized to showcase visualization graphs
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## Contributions: Ethan

- Implemented video streaming between backend and frontend.
- Migrated project away from create-react-app to Vite.
- Began improving python docstrings (still needs more work.)



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# Contributions: Peter

- Passed 11 Frontend tests
  - 70% frontend coverage
  - Revised + passed tests in adherence with clean code best practices
- Created Video Export Button in Webapp Dashboard
  - Calls exportVideo()
  - Increased dashboard functionality
  - User can directly download mp4
  - SessionDashboard.jsx

```
✓ Empty Chart (257 ms)
✓ Chart line renders (73 ms)
✓ Chart line renders (50 ms)
✓ Chart line renders (50 ms)
User Input
✓ Button State Update (53 ms)
✓ Default Dropdown (34 ms)
✓ Simulate Selection (196 ms)

Test Suites: 1 passed, 1 total
Tests:       11 passed, 11 total
Snapshots:   0 total
Time:        6.738 s
```

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# Contributions: Ben

- Created `upload_video()` function
  - Allows us to name video based on datetime and save it to be inserted into backend database
  - `Dataset_files_controller.py`
- Added video column to backend database
  - Prerequisite to uploading video
  - `Dataset.py`
- Created `exportVideo()` function
  - Called by the export video button in session dashboard
  - Prerequisite to video download
  - Alerts user if no video is available for download
  - `Data.jsx`

# Contributions: Tommy

- Passed 41 backend tests
  - 88% backend coverage
  - Revised + passed tests in adherence with clean code best practices

Name	Stmts	Miss	Cover
api\__init__.py	31	0	100%
api\blueprints\auth_blueprint.py	5	0	100%
api\blueprints\dataset_files_blueprint.py	12	0	100%
api\blueprints\organization_blueprint.py	8	0	100%
api\blueprints\user_blueprint.py	7	0	100%
api\config.py	18	0	100%
api\controllers\__init__.py	0	0	100%
api\controllers\auth_controller.py	36	1	97%
api\controllers\dataset_files_controller.py	163	68	58%
api\controllers\organization_controller.py	68	14	79%
api\controllers\user_controller.py	70	5	93%
api\models\BlacklistToken.py	12	1	92%
api\models\Dataset.py	8	1	88%
api\models\Organization.py	10	1	90%
api\models\User.py	39	2	95%
api\models\__init__.py	0	0	100%
api\utils\HttpStatusCode.py	9	0	100%
api\utils\__init__.py	0	0	100%
api\utils\admin_cli.py	11	0	100%
api\utils\decorators.py	27	2	93%
api\utils\jwt_blacklist.py	11	0	100%
api\utils\request_schemas.py	8	0	100%
tests\__init__.py	0	0	100%
tests\test_authentication.py	32	0	100%
tests\test_base.py	58	7	88%
tests\test_custom_cli.py	16	0	100%
tests\test_data_mocking.py	20	0	100%
tests\test_dataset_file_to_s3.py	62	0	100%
tests\test_organization_model.py	8	0	100%
tests\test_organization_routes.py	50	0	100%
tests\test_user_model.py	14	0	100%
tests\test_user_routes.py	54	0	100%
TOTAL	867	102	88%

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# Random

