

Healthduct – Final Technical Submission

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SECTION I: PROJECT DETAILS

Team Member: Ashley Deshields

TA Mentor: Shlok Natarajan

Project Abstract:

There's a large disconnect between mental and physical health specialists, and it's growing wider from lack of opportunities to meet, lack of understanding, and even underlying stigmas between the two. HealthDuct aims to provide mental and physical therapists enough information to organize a cohesive treatment plan via providing contact information, a shared treatment chart, and educational resources for both sides.

Final Tracking Chart:

Sprint	Completed Tasks	Due
1	Research my topic on bridging the gap between mental and physical healthcare providers.	1/31 - 2/7
2	Research the technical side of the project, flushing out the scope and tasks needed to be done	2/28 - 3/7
3	Have a repository set up with packages and file structure ready.	3/7 - 3/10
	Have database tables set up	3/7 - 3/10
	Basic login, patient, provider, and home page set up	3/10 - 3/14
4	Dynamically generate patient's consent / provider invitation form with a randomized code	3/15 - 3/21
5	Implement list of patients per provider, utilizing the consent code to add a patient	3/22 - 3/28
	Obtained API key for openFDA	3/22
6	Use openFDA dataset to mock prescription data to add prescriptions under patient's view	3/28 - 4/4
7	Use openFDA drug label api to return drug label data to add human readable descriptions for providers to use	4/4 - 4/11
8	Use openFDA drug api to display surveyed drug symptoms	4/11 - 4/18
	Add openFDA's disclaimer in every drug query	4/18
9	Majorly bug fixes	4/18 - 4/25
10	Refine and make sure site is functional and presentable	4/25 - 4/28

SECTION II – APPLICATION OR SOLUTION

Final Git Commit: 8f046db63c72f1802c921466e4ff6fbd62d0a2a0

<https://github.com/deshields/CS6440-project/commit/8f046db63c72f1802c921466e4ff6fbd62d0a2a0>

Github Link: <https://github.com/deshields/CS6440-project>

Branch: main

** Heroku was not going to work with my Georgia Tech Enterprise Repository so Shlok gave me permission to use my private github. I added the users “ericpan64” and “Matlin372” as collaborators as well, but will be looking into migration to github enterprise.

Application or Solution Details

App name: Healthduct

App or Solution URL (If deployed): Failed to deploy

App or Solution Description:

A proof-of-concept web app that allows mental and physical health providers to collaborate without the hassle of needing to schedule meeting times and make use of implemented informational sources from the FDA, and eventually FHIR.

SECTION III – PROJECT PRESENTATION

- Please see the Canvas Assignment page for the current semester for general guidelines on the presentation.

<https://www.dropbox.com/s/6nrroo2saplvqg6/CS6440%20-%20Presentation.mov?dl=0>

Note: Convert Slides to PDF and Merge with this single submission. You could add the contents of this deliverable to the final slide deck and convert the whole thing to a PDF to submit. Just make sure all links are clickable and do not include the submission information in the video presentation. (This is to provide a backup to presentations, both to ensure smoother grading in case of an error in a presentation and to maintain a record in Canvas.)

SECTION IV – PROJECT DOCUMENTATION

Final Gantt Chart:

<https://github.com/deshields/CS6440-project/blob/main/Final%20Delivery/Resources%20%26%20Images/tracking%20chart.png>

Application or Solution Manual:

<https://github.com/deshields/CS6440-project/blob/main/Final%20Delivery/README.md>

Special Instructions (if not included in the manual):

<https://github.com/deshields/CS6440-project/tree/main/Final%20Delivery/Manuals>

Research Directory:

<https://github.com/deshields/CS6440-project/tree/main/Final%20Delivery/Research>

Documentation Directory:

<https://github.com/deshields/CS6440-project/tree/main/Final%20Delivery/Documentation>

Startup and Configuration Files:

<https://github.com/deshields/CS6440-project/blob/main/Final%20Delivery/Startup%20and%20Config/docker-compose.yml>

All of the documentation that you submit with your final project should be treated as an official document – this includes the manual. All documentation that is not well structured or clearly written may result in point loss.