

Final Report

Features To Be Implemented

- The backend needs to be deployed and connected to the web app or another solution found to save form data
- An Admin dashboard needs to be created that would allow the STEC Coordinator to:
- Add/Delete/Edit forms
- Search for completed forms
- Notify when a form is submitted
- Form validation needs to be added to the forms to control user data entry
- Form validation needs to be added to the registration component
- A password reset component should be added
- A component for students and faculty to search and edit forms

Project Flyer



The flyer is a vertical rectangular poster with a light purple background. At the top center is the Georgia College & State University logo. Below it, the text "RESEARCH APP" is written in large, bold, green capital letters, followed by "2021-2022" in the same style. A horizontal line separates this from the URL "https://researchapp.netlify.app" in green. Below the URL is a screenshot of the app's login page, which has a green header "Welcome to STEC Registration" and a "Login" section with a GGC logo, input fields for "Email Address" and "Password", and "Login" and "Register" buttons. At the bottom, the text "STEC Undergraduate Research at GGC" is centered in green, flanked by "STEC-4500" on the left and "STEC-2500" on the right. A paragraph of black text describes the app's purpose: "The app aims at helping students interesting in taking STEC 4500 Undergraduate Research classes to find research projects posted by GGC faculty, and successfully register for a class to work on the project of their liking and with the respective professor." At the very bottom, "BY: RESEARCH RATS TEAM" is written in green.

RESEARCH APP
2021-2022
<https://researchapp.netlify.app>

Welcome to STEC Registration

Login

STEC Undergraduate Research at GGC

STEC-4500 STEC-2500

The app aims at helping students interesting in taking STEC 4500 Undergraduate Research classes to find research projects posted by GGC faculty, and successfully register for a class to work on the project of their liking and with the respective professor.

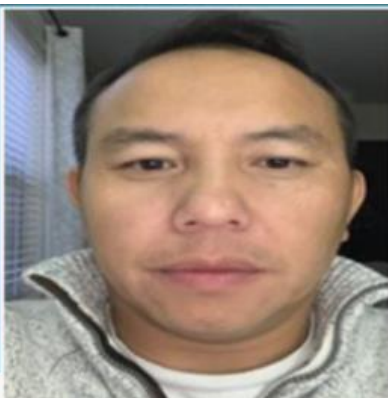
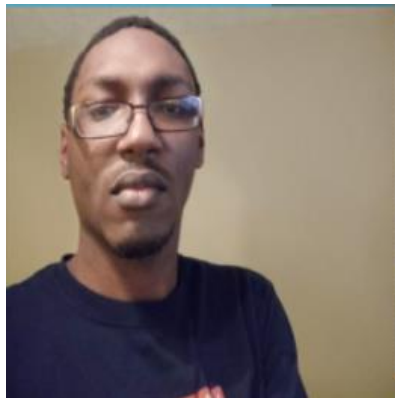
BY: RESEARCH RATS TEAM

Screencast/Vlogs

[Documentation Vlog](#) - [Testing Vlog](#)

Team Members

1. Terrance	2. Ching 🙄	3. Kris 🙄
i. Programmer	i. Programmer 📁	i. Programmer 📁
ii. Data modeler	ii. UI/UX design 📁	ii. Code architecture/lead programmer 📁
iii. Team Manager/Client Liason	iii. Documentation Lead 📁	iii. Testing Lead 📁



Client: Dr. Wendy Dustman




Dr. Wendy is an Associate Professor in Biology focusing on Microbiology by training. Her Doctorate came from the University of Georgia in 2001 with a PhD in microbiology. Her undergraduate degree BA is in Biology from Indiana University. Since 2018, she has also been serving as the School of Science and Technology's Coordinator for the STEC program in undergraduate research.

Testing:

Testing was done using Jasmine testing framework and Karma to test the browser to make sure components are created as intended. Currently there are some components failing as they were not routed in the final product and will be implemented in the future. Some components were changed last minute and may need to be removed in the future if the development team decides they were not needed.

Karma v 6.3.4 - connected; test: complete;DEBUG

 **Jasmine** 3.8.0Options

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24 specs, 13 failures, randomized with seed 92194Finished in 0.814s

Spec List | Failures

TokenStorageService

- should be created

AuthService

- should be created

FormsearchComponent

- should create

FirebaseService

- x should be created

LoginComponent

- x should create

UserService

- should be created

Form2500Component

- x should create

AppComponent

- x should create the app
- x should have as title 'STEC4500-ResearchApp'
- x should render title

AdminComponent

- should create

FormService

- x should be created

StudentComponent

- should create

AuthButtonComponent

- x should create

TeamComponent

- should create

RegisterComponent

- x should create

FormListComponent

- x should create

HomeComponent

- x should create

Form4500Component

- x should create

Form

- should create an instance

FormDetailsComponent

- should create

NavigationComponent

- should create

Focus group survey results:

Default Report							
Last Modified: 2021-11-14 10:26:27 MST							
Q4 - Name of the app you tested							
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	STEC Research App	8	8	8	0	0	11
#	Answer	%	Count				
1	STEC Research App	100.00%	11				
	Total	100%	11				
Q5 - How good looking is it?							
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	STEC Research App	3	5	4.4	0.8	0.64	5
#	Score	STEC Research App	Total				
1	3	100.00%	1	1			
2	4	100.00%	1	1			
3	5	100.00%	3	3			
Q6 - How useful is it?							
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	STEC Research App	3	5	4.73	0.62	0.38	11
#	Score	STEC Research App	Total				
1	3	100.00%	1	1			
2	4	100.00%	1	1			
3	5	100.00%	9	9			
Q7 - Is it a complete product?							
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	STEC Research App	2	5	4.5	0.92	0.85	10
#	Score	STEC Research App	Total				
1	2	100.00%	1	1			
2	4	100.00%	2	2			
3	5	100.00%	7	7			
Q8 - Do you have an idea for another app?							
#	Field	Minimum	Maximum	Mean	Std Deviation	Variance	Count
1	STEC Research App	1	2	1.9	0.3	0.09	10
#	Question	STEC Research App	Total				
1	Yes	100.00%	1	1			
2	No	100.00%	9	9			
Q9 - Your app idea							
Unable to export widget. Please contact Qualtrics Support.							
Q10 - Any other comments?							
STEC Research App							
Good work from the team							
Very useful							
Great							
Love this idea!							
It was very interesting (; I hope the app works out!							
Research Rats were an excellent team!							

Documentation:

All documentation for users and developers can be found on GitHub and the application is currently hosted on Netlify:

Github: <https://github.com/GGC-SD/STEC4500-ResearchApp>

Application hosted on Netlify at <http://researchapp.netlify.app>

Licence:

Copyright 2021 <Georgia Gwinnett College, Ching Vang, Kristoffer Hendricks, Terrance Perry>

STEC-4500 Research Application

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End license text.

Intellectual Property Terms:

Intellectual Property Agreement

This Intellectual Property Contribution and Assignment Agreement (this "Agreement") is made as of 10 day of October, 2021 (the "Effective Date"), by and between the members of Research Rats (the "Company"), Kris Hendricks, Ching Vang, and Terrance Perry and Dr. Wendy Dustman (the "Sponsor").

As our client, you may choose to enter this contract on behalf of our company. You agree to provide us with everything necessary to complete the project including files, images, link(s) to social media, hosting credentials, and any other information we request as we need it, as well as in the format we might require.

All parties have agreed members Kris Hendricks, Ching Vang, and Terrance Perry will receive an equal share of 100% and Client Dr. Wendy Dustman would be assigned 0% of intellectual claim. Intellectual claim includes entire rights, title, interest in, and to any all the properties.

X _____

Terrance Perry
Team Manger
Data Modeler/Client Liaison
Programmer

X _____

Dr. Wendy Dustman
Client

X _____

Ching Vang
UI/UX Design
Documentation Lead
Programmer

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Kris Hendricks
Code Architecture/Lead Programmer
Testing Lead