



FLORIDA INTERNATIONAL UNIVERSITY



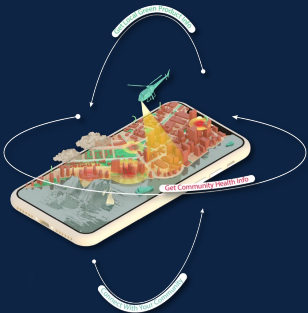
Community Connect

Capstone II Final Presentation

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Professor: Dr. Masoud Sadjadi



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[Problem Definition]

The objective of Community Connect is to be an information exchange platform where users can discuss and find news about specific topics such as energy consumption, sea level rise, rising temperatures, and more. It is also a tool to calculate carbon emissions.

[Current System]

The platform had features that were not fully functional:

- The news page showed news that were not related to the selected topics
- The forums page was not functional
- Users were not able to register/log in to use the platform.



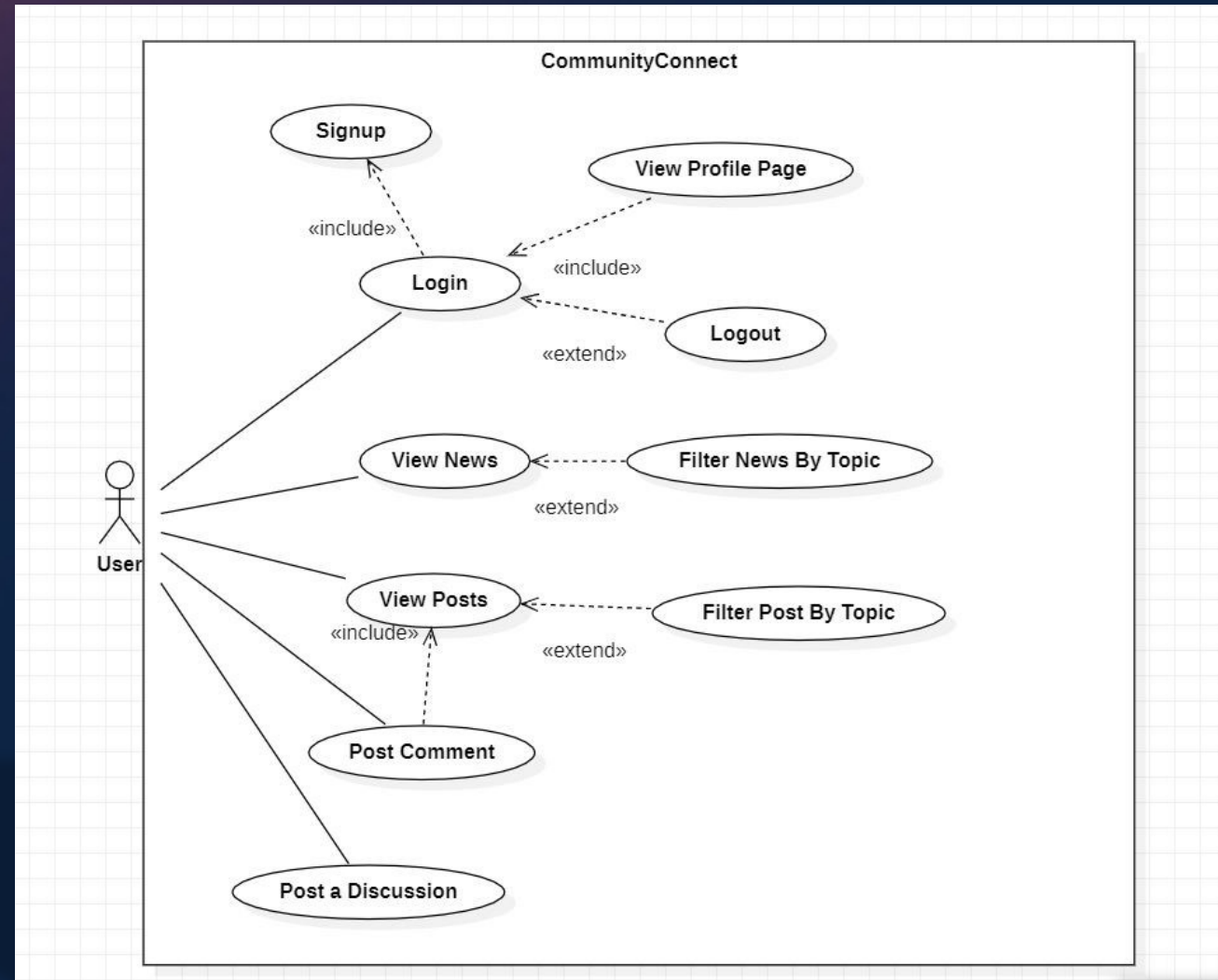
[New System - Goals]



- Display relevant news according to a specific Community
- Display News based on selected topic of interest
- Post a discussion about a selected topic using a drop-down menu
- Display Discussions relevant to the user by means of a topic filtering method
- Reply to a specific Discussion using a new User Interface design



[Use Cases]



News Functionalities



- Select between 11 topics of interest to filter in and/or out
- Get news from your local community (Only Miami)
- Get updated news every 48 hours



Your Community

Miami

Currently only showing articles from Miami

Select Topics of Interest

- ☒ Pandemic
- ☐ Extreme Weather
- ☐ Rising Temperatures
- ☐ Sea Level Rise
- ☐ Coastal Ecosystems
- ☐ Energy Consumption
- ☐ Sustainable Materials
- ☐ Recycling/Upcycling
- ☐ Green Technology
- ☐ Citizen Science
- ☐ Community Engagement

Latest on Your Topics of Interest

They're All Broke: How The Kings Of Miami's Pandemic-Era Boom Came Crashing Down

Pandemic Source: Digg

1 week ago

Taking Care of Business: An Empirical Examination of the Top S&P 500 Companies and Their Role as Public Health ...

Pandemic Source: Miami's Community Newspapers

7 hours ago

Stock market crash, crypto collapse hurts Miami, Florida hotspots

Pandemic Source: Business Insider

1 week ago

Physical activity decline in the wake of COVID

Pandemic Source: CBS News

2 weeks ago

Pandemic pounds push 10,000 U.S. Army soldiers into obesity

Pandemic Source: Miami Herald

1 day ago

More people are moving to Miami and other Sun Belt cities

Pandemic Source: Axios

1 month ago

Miami University extends admission policy change caused by pandemic into 2026

Pandemic Source: WKRC

3 weeks ago

Miami's Office Market Surpasses Pre-Pandemic Absorption Levels

Pandemic Source: Commercial Observer

Jan 20, 2023

Miami Pandemic Party House Owner Hit With \$230K Fine

Pandemic Source: The Real Deal

1 week ago

Miami-Dade Luxury Sales Surge Above Pre-Pandemic 2019 Transactions

Pandemic Source: PR Web

2 weeks ago



SerpApi



- SerpApi is a service that allows developers to programmatically retrieve search engine results data.
- It abstracts the complexity of parsing HTML and dealing with search engine updates, offering developers with a straightforward and dependable API for integrating search engine data into their applications.
- It supports a variety of programming languages and provides a RESTful API with a simple JSON answer style.

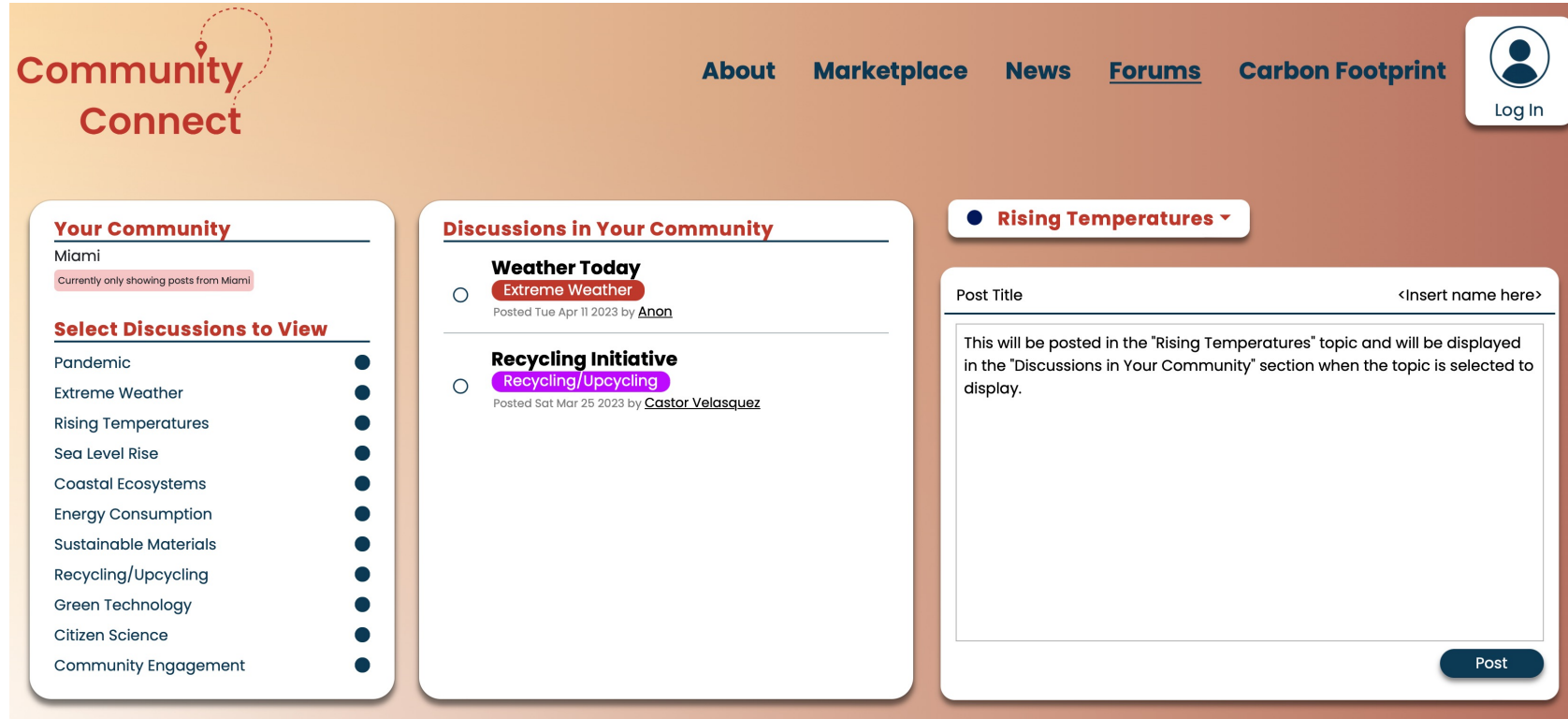
Forums Functionalities



- Create a thread of a topic from a selection of topics.
- Make post anonymously
- Make replies on posts
- Reply anonymously



Creating A Post



The screenshot shows the 'Community Connect' website interface. At the top, there's a navigation bar with links: 'About', 'Marketplace', 'News', 'Forums' (underlined), and 'Carbon Footprint'. A 'Log In' button is in the top right corner. The main content area is divided into three sections:

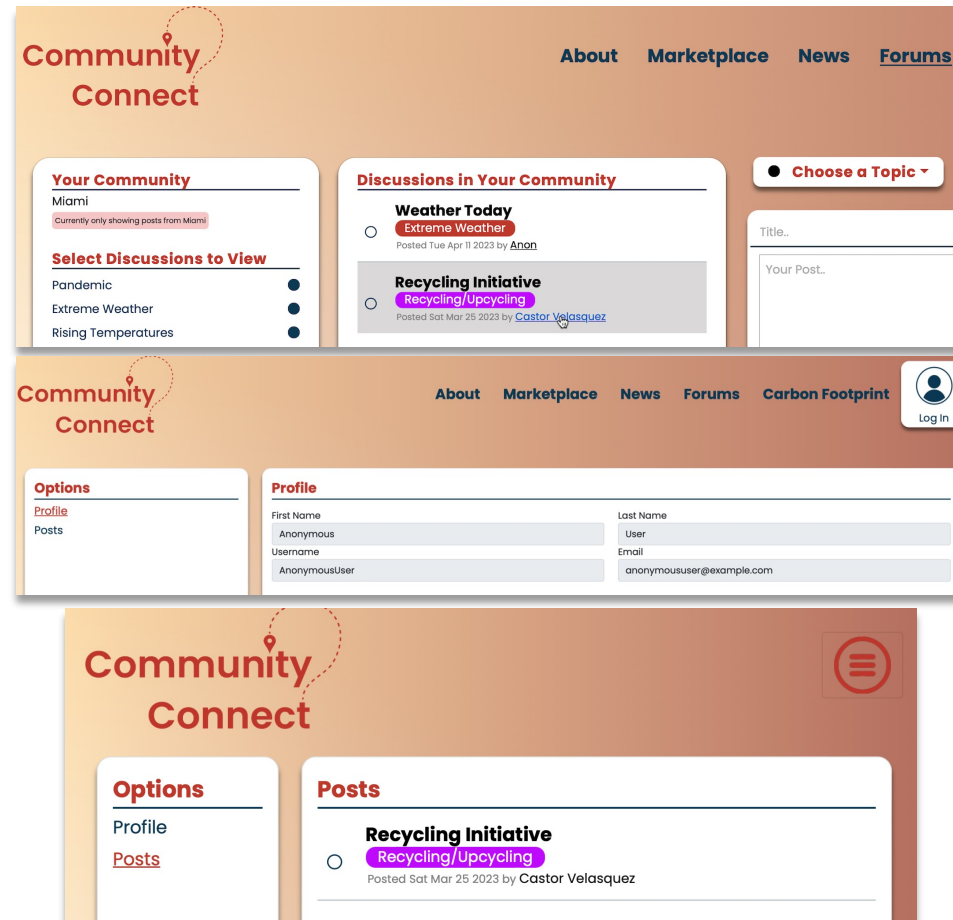
- Your Community:** Displays 'Miami' and a note 'Currently only showing posts from Miami'. Below is a list of topics to select: Pandemic, Extreme Weather, Rising Temperatures, Sea Level Rise, Coastal Ecosystems, Energy Consumption, Sustainable Materials, Recycling/Upcycling, Green Technology, Citizen Science, and Community Engagement. Each topic has a radio button.
- Discussions in Your Community:** Shows two discussion cards. The first is 'Weather Today' with a sub-topic 'Extreme Weather' (highlighted in red), posted on Tue Apr 11 2023 by 'Anon'. The second is 'Recycling Initiative' with a sub-topic 'Recycling/Upcycling' (highlighted in purple), posted on Sat Mar 25 2023 by 'Castor Velasquez'.
- Post Creation Form:** A dropdown menu is set to 'Rising Temperatures'. The form includes a 'Post Title' field with a placeholder '<Insert name here>', a text area with a placeholder message: 'This will be posted in the "Rising Temperatures" topic and will be displayed in the "Discussions in Your Community" section when the topic is selected to display.', and a 'Post' button at the bottom right.

- Select the topic of your post.
- Insert a title.
- Insert a name
- Fill Body
- Click the "Post" Button

Viewing Profiles



- Click on the username on a post in the forums page.
- Choose to view the profile info page, or the post history of that user.





Shortcomings

Getting news from different communities

Edit and delete post

Like and dislike posts

See liked posts in the profile page



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Thank you!