“Tackling geographical healthcare inaccessibility through technological solutions: the creation of Bloom Policy”

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CPS495
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12/12/2023
ABSTRACT: Healthcare inaccessibility persists among rural communities due to multifaceted challenges, including geographical constraints, economic limitations, inadequate public transportation, sparse medical facilities, and complexities regarding health insurance. Bloom Policy serves as a source aiming to curate optimal health insurance solutions for individuals, families, and small businesses. Bloom Policy is a user-centric website built using Javascript, HTML, and CSS. The program features an interactive assessment tool, comprehensive drug coverage assistance, and possesses educational resources tailored for marketplace insurance consumers. By bridging the gap between rural populations and essential healthcare coverage, Bloom Policy strives to mitigate the barriers hindering access to quality healthcare services.

KEYWORDS: SOCIOLOGY, COMPUTER SCIENCE, HEALTHCARE, INACCESSIBILITY, API
Tackling geographical healthcare inaccessibility through technological solutions: The creation of Bloom Policy

By Julia Yilmaz
INTRODUCTION

Name: Julia Yilmaz
Major/Minor: Sociology/Computer Science
Project Title: Bloom Policy
Languages/Frameworks: JavaScript, HTML, CSS, Marketplace API, Finder API
What do I mean by “healthcare inaccessibility?”

What can be created to solve these problems?
Development Timeline

Planning the Project
- Started learning HTML, CSS, and JavaScript

Creating a model
- Researching different ways to use forms and sort through questions

Designing the website
- Restructured the website, focusing on organization and efficiency

Implementing functionality
- Getting the assessments and API to work together

The future
- Future plans for the website
What factors affect plan premiums?

location, age, tobacco use, plan category, and whether the plan covers dependents...
Which health insurance is sure to help you bloom?
The website design today....
We've got you covered!
Enter insurance ID:

Enter Medication name:

Am I covered?
function nextQuestion(e) {
    if (activeQuestion < questions.length) {
        activeQuestion = 0
    }
    questions[activeQuestion].classList.remove('visible'); // hides current question
    activeQuestion++;
    questions[activeQuestion].classList.add('visible'); // shows next question
Marketplace API

Features:
- Ability to search for marketplace plans for Individuals and families.
- Discover if plans provide coverage for specific medications/drugs.
- View insurance costs, benefits, and eligibilities.
Future plans for Bloom Policy...

**Drug Coverage Search**
- Already available through Marketplace API

**Implement Provider Network Search**
- Allow users to search for medical providers within health plan networks
- Marketplace API offers more detailed answers based on what I include in the assessment

**Provider Finder API**
- With this, I can create an assessment that includes small business and create a wider range which expands beyond marketplace states

**Create more Questions**
- Marketplace API offers more detailed answers based on what I include in the assessment
Thank you for listening!
Remember to take care of yourself :)