RV College of Engineering®, Bengaluru – 59
Department of Information Science and Engineering
Introduction to Database Laboratory (21CS53)

Innovative Experiment on Mini Project

TITLE	HERBAL HELP	
TEAM	USN:1RV21IS047	Name: Sanjana Patwari
	USN:1RV21IS048	Name: Sanjay D Kulal

1. Innovative Experiment Details:

As part of our project's innovative component, we've integrated web scraping functionality to extract data from a live and dynamic database hosted on a website. Unlike traditional methods of obtaining data, such as accessing static databases, web scraping allows us to dynamically retrieve information from web pages in real-time.
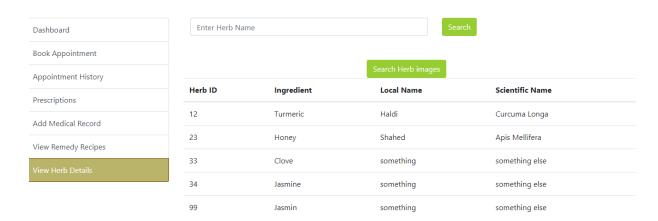
Our system is designed to navigate to specific web pages containing the desired data, interact with the elements on those pages (such as table and its components) and then extract the relevant information directly from the webpage's HTML code. This process involves parsing the HTML structure of the webpage and identifying the specific elements that contain the data we need.
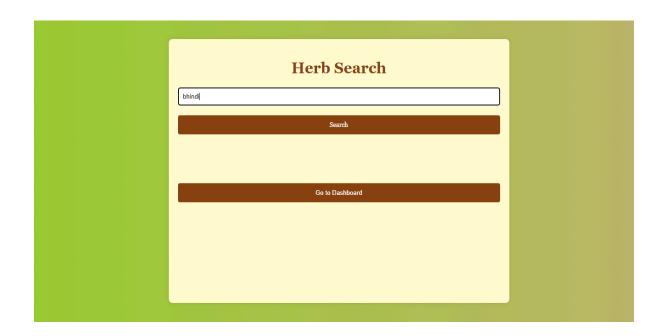
Once the data is extracted, our system can then process it further, perform any necessary analysis or transformations, and integrate it seamlessly into our database or application. By leveraging web scraping, we can access up-to-date information from external sources without manual intervention, enabling our project to stay current and provide users with valuable insights and data-driven functionalities.

Upon successful login, patients gain access to the "View Herb Details" section, featuring a user-friendly "Search Herb Images" button. This functionality allows users to input the name of a herb, facilitating the exploration of its additional benefits, uses, and related details in locally familiar terms. After entering the herb's name in the search bar, the system generates a link directing users to the herb's image, along with other pertinent information sourced from the Digital Archives of the Botanical Survey of India.

2. Proof of execution

Welcome shashwat hotani

Dashboard	
Book Appointment	
Appointment History	
Prescriptions	
Add Medical Record	
View Remedy Recipes	
View Herb Details	

Enter Herb Name   Search

Search Herb images

Herb ID	Ingredient	Local Name	Scientific Name
12	Turmeric	Haldi	Curcuma Longa
23	Honey	Shahed	Apis Mellifera
33	Clove	something	something else
34	Jasmine	something	something else
99	Jasmin	something	something else

Herb Search

bhindi

Search

Go to Dashboard

Herb Search

Enter Local Herb Name*

Search

Herb: Abelmoschus esculentus (L.) Moench

Herb Image and Uses: https://archive.bsi.gov.in/echoHerbarium-Details/en?link=CAL0000003881&column=szBarcode

Go to Dashboard

Economic Botany Herbarium Details

Move your mouse over image to enlarge.

Barcode: CAL0000003881

Family: MALVACEAE

Scientific Name: *Abelmoschus esculentus* (L.) Moench

Collector: D. Hoopal

Country: India

Uses: From the fruits a mucilaginous preparation is made which are considered benificial as plasma replacement or blood volume expander. The immature capsules of the plant are used as demulcent, diuretic and the seeds of the plant are used as antispasmodic, cordial and stimulant.

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