FULL STACK PROJECT

(SESSION 2020-2021)

Report

Institute of Engineering & Technology

Team Members

CHIRAG SINGH

(181500198)

KESHAV BANSAL

(181500320)

SHIVAM AGARWAL

(181500666)

JAGRAT AGARWAL

(181500288)

Supervised By
MR. PANKAJ KAPOOR
TECHNICAL TRAINER

Department of Computer Engineering and Applications
GLA University, Mathura
17 km. Stone NH#2, Mathura-Delhi Road, P.O. – Chaumuha,
Mathura – 281406

Declaration

I hereby declare that the work which is being presented in the Full Stack Project **"HOME-HELPR" website,** in partial fulfillment of the requirements for Full Stack project Lab is an authentic record of our own work carried under the supervision of **Mr. Pankaj Kapoor, Technical Trainer.**

Chirag Singh

Keshav Bansal

Shivam Agarwal

Jagrat Agarwal

Department of Computer Engineering and Applications
GLA University, Mathura
17 km. Stone NH#2, Mathura-Delhi Road, P.O. – Chaumuha,
Mathura – 281406

Certificate

This is to certify that the project entitled "HOME-HELPR" website carried out in Full Stack Project is a bonafide work done by Chirag Singh (181500), Keshav Bansal (181500) , Shivam Agarwal (181500666), Jagrat Agarwal (181500), and is submitted in partial fulfillment of the requirements for the award of the degree Bachelor of Technology (Computer Science & Engineering).

Signature of Supervisor:

Name of Supervisor: Mr. Pankaj Kapoor

Date:07/12/2020

ACKNOWLEDGEMENT

It gives us a great sense of pleasure to present the report of the B. Tech Full Stack Project undertaken during B. Tech. Third Year. This project in itself is an acknowledgement to the inspiration, drive and technical assistance contributed to it by many individuals. This project would never have seen the light of the day without the help and guidance that we have received.

Our heartiest thanks to Dr. (Prof). Anand Singh Jalal, Head of Dept., Department of CEA for providing us with an encouraging platform to develop this project, which thus helped us in shaping our abilities towards a constructive goal.

We owe special debt of gratitude to Mr. Pankaj Kapoor, Technical Trainer, for his constant support and guidance throughout the course of our work. His sincerity, thoroughness and perseverance have been a constant source of inspiration for us. He has showered us with all his extensively experienced ideas and insightful comments at virtually all stages of the project & has also taught us about the latest industry-oriented technologies.

We also do not like to miss the opportunity to acknowledge the contribution of all faculty members of the department for their kind guidance and cooperation during the development of our project. Last but not the least, we acknowledge our friends for their contribution in the completion of the project.

Chirag Singh
Keshav Bansal
Shivam Agarwal
Jagrat Agarwal

Abstract:

The system is implemented to provide a platform to the people who provide certain service like Home Cleaning, Plumbing, Gardening etc. and make people's life easier as they get service at their door step. This Website has been made in a user friendly interface. So that people can easily search of any service they want at any period of time. This project brings on demand home services under one roof by connecting local service providers with customers online.

Any needed person can hire service providers near their location for any of the services like home cleaning, pest control, Tutors, Salon, Plumber, Electrician, Mechanic, Carpenter, Maid, Carwash, Driver, Packers & Movers, Doctors, Physiotherapists, Fitness, DJ, Barbers, Laundry, Groceries, Food Delivery etc. all at one place.

Table of Contents

Declaration

Certificate

Acknowledgments

Abstract

Table of Contents

1. Introduction

1.1 Motivation and Overview

1.2 Objective

2. Software Requirement Analysis

2.1 Define the problem

……..

2.2 Define the modules and their functionalities (SRS)

……..……

3. Software Design

3.1 ……..…… 16

3.2 ……..……. 17

4. Testing

4.1 ……..…… 22

4.2 ……..……. 22

5. Implementation and User Interface

5.1 ……..... 27

5.2 ….……... 27

6. Conclusion

Chapter-1

Introduction :

HOME-HELPR website provide different services at people's doorstep to make their life easier and spend their precious time with family and friends. This website not just help consumer but it also help producer, as this website provide employment to the deserving ones. The person provide their service get paid by the consumers. In this way this website opens more chances of employment. With lives becoming increasingly faster and people's need for a comfortable access to services at home, on demand home services are becoming greatly popular and beneficial.

People will get the reliable and quality service at their door step without making any efforts.

Objective:

The main objective of this project is to develop an home service providing website HOME-HELPR and aim is to provide facilities to the people at their doorstep.

The key objective of the project is to develop front end part of HOME-HELPR website. This project helps people to save their time in searching the best service providers. As the digital scenario has shifted massively with the internet era and only the business providing an extra edge will survive the competition.

PROBLEM STATEMENT:

Problem Area:

HOME-HELPR website is a kind of platform that serves people all over world, not only service providers but also people who want service at their door step. People from all over the world of any age group can search for any service they want. There are various services like Plumbing, House Keeping, Plumbing, Home Cleaning, Flooring, Gardening etc.

ADVANTAGES AND LIMITATIONS OF THIS APPLICATION:

ADVANTAGES:

1. Provide employment to workers.
2. Easy and clean user interface for smooth functioning.
3. Save precious time for searching suitable service provider.
4. The convenience to use from mobile.

DISADVANTAGES:

1.Data security.

2 .Chances of technical problem in the system.

TOOLS USED

Technical Feasibility:

The proposed system is developed using HTML, CSS and as front-end tool, bootstrap and javascript for functionality . The Web browser is used to view the web page that is available within the Windows operating system itself. The proposed system will run under Win9x, NT, and win2000 environment. As Windows is very user friendly and GUI OS it is very easy to use. All the required hardware and software are readily available in the market. Hence the system is technically feasible.

Operational Feasibility: The proposed system is operationally feasible because of the following reasons.

• The person who is in the need of service benefited more as most of his time is saved.

• The purpose of this website is built a best platform to find a service provider at your door step.

Economical Feasibility: As the necessary hardware and software are available in the market at a low cost, the initial investment is the only cost incurred and does not need any further enhancements. Hence it is economically feasible. The system is feasible in all respects and hence it encourages taking up the system design. We have used different languages and technologies for preparing the project .

HTML

The extended reach of information and services to customers that the Internet has enabled, has created a new challenge for the developer. The developer should develop a user interface that is distributable, available on multiple platforms and supports a wide range of client environments from handheld wireless devices to high-end workstations. So to maintain a broad reach to client environments and to achieve greatest compatibility with all browsers, this system uses standard HTML. Hyper Text Markup Language is the standard language for creating documents for the World Wide Web. An HTML document is a text file, which contains the elements, in the form of tags that a web browser uses to display text, multimedia objects, and hyperlinks using HTML; we can format a document for display and add hyperlinks to other documents. The user interface has been designed in HTML hence can be browsed in any web browser.

HTML can embed programs written in a scripting language such as JavaScript, which affects the behavior and content of web pages. Inclusion of CSS defines the look and layout of content. The World Wide Web Consortium (W3C), maintainer of both the HTML and the CSS standards, has encouraged the use of CSS over explicit presentational HTML since 1997.

HTML code ensures the proper formatting of text and images so that your Internet browser may display them as they are intended to look. Without HTML, a browser would not know how to display text as elements or load images or other elements. HTML also provides a basic structure of the page, upon which Cascading Style Sheets are overlaid to change its appearance. One could think of HTML as the bones (structure) of a web page, and CSS as its skin (appearance).

CSS (Cascading Style Sheets)

Cascading **S**tyle **S**heets, fondly referred to as CSS, is a simple design language intended to simplify the process of making web pages presentable.

CSS handles the look and feel part of a web page. Using CSS, you can control the color of the text, the style of fonts, the spacing between paragraphs, how columns are sized and laid out, what background images or colors are used, layout designs, variations in display for different devices and screen sizes as well as a variety of other effects.

CSS is easy to learn and understand but it provides powerful control over the presentation of an HTML document. Most commonly, CSS is combined with the markup languages HTML or XHTML.

Advantage Of CSS

CSS saves time − You can write CSS once and then reuse same sheet in multiple HTML pages. You can define a style for each HTML element and apply it to as many Web pages as you want.

Pages load faster − If you are using CSS, you do not need to write HTML tag attributes every time. Just write one CSS rule of a tag and apply it to all the occurrences of that tag. So less code means faster download times.

Easy maintenance − To make a global change, simply change the style, and all elements in all the web pages will be updated automatically.

Superior styles to HTML − CSS has a much wider array of attributes than HTML, so you can give a far better look to your HTML page in comparison to HTML attributes.

Multiple Device Compatibility − Style sheets allow content to be optimized for more than one type of device. By using the same HTML document, different versions of a website can be presented for handheld devices such as PDAs and cell phones or for printing.

Global web standards − Now HTML attributes are being deprecated and it is being recommended to use CSS. So its a good idea to start using CSS in all the HTML pages to make them compatible to future browsers.

JAVA SCRIPT (JS)

JavaScript often abbreviated as **JS**, is a high-level, interpreted programming language that conforms to the ECMAScript specification. It is a programming language that is characterized as dynamic, weakly typed, prototype-based and multi-paradigm.

Alongside HTML and CSS, JavaScript is one of the core technologies of the World Wide Web. JavaScript enables interactive web pages and is an essential part of web applications. The vast majority of websites use it, and major web browsers have a dedicated JavaScript engine to execute it.

As a multi-paradigm language, JavaScript supports event-driven, functional, and imperative (including object-oriented and prototype-based) programming styles. It has APIs for working with text, arrays, dates, regular expressions, and the DOM, but the language itself does not include any I/O, such as networking, storage, or graphics facilities. It relies upon the host environment in which it is embedded to provide these features.

Initially only implemented client-side in web browsers, JavaScript engines are now embedded in many other types of host software, including server-side in web servers and databases, and in non-web programs such as word processors and PDF software, and in runtime environments that make JavaScript available for writing mobile and desktop applications, including desktop widgets.

The terms Vanilla JavaScript and Vanilla JS refer to JavaScript not extended by any frameworks or additional libraries. Scripts written in Vanilla JS are plain JavaScript code.

Although there are similarities between JavaScript and Java, including language name, syntax, and respective standard libraries, the two languages are distinct and differ greatly in design. JavaScript was influenced by programming languages such as Self and Scheme.

BOOTSTRAP :

Bootstrap is a free and open-source CSS framework directed at responsive, mobile first frontend web development. It contains CSS and (optionally) Javascript based design templates for typography, forms, buttons, navigation, and other interface components.

Bootstrap is a potent front-end framework used to create modern websites and web apps. It's open-source and free to use, yet features numerous HTML and CSS templates for UI interface elements such as buttons and forms. Bootstrap also supports JavaScript extensions.

VISUAL STUDIO :

Visual Studio Code is a source-code editor that can be used with a variety of programming languages, including Java, JavaScript, Go, Node.js and C++. It is based on the Electron framework, which is used to develop Node.js Web applications that run on the Blink layout engine. Visual Studio Code employs the same editor component (codenamed "Monaco") used in Azure DevOps (formerly called Visual Studio Online and Visual Studio Team Services).

Instead of a project system, it allows users to open one or more directories, which can then be saved in workspaces for future reuse. This allows it to operate as a language-agnostic code editor for any language. It supports a number of programming languages and a set of features that differs per language. Unwanted files and folders can be excluded from the project tree via the settings. Many Visual Studio Code features are not exposed through menus or the user interface, but can be accessed via the command palette.

Visual Studio Code can be extended via extensions, available through a central repository. This includes additions to the editor and language support. A notable feature is the ability to create extensions that add support for new languages, themes, and debuggers, perform static code analysis, and add code linters using the Language Server Protocol.

Visual Studio Code includes multiple extensions for FTP, allowing the software to be used as a free alternative for web development. Code can be synced between the editor and the server, without downloading any extra software.

Visual Studio Code allows users to set the code page in which the active document is saved, the newline character, and the programming language of the active document. This allows it to be used on any platform, in any locale, and for any given programming language.

WEB BROWSER :

A web browser (commonly referred to as a browser) is a software application for accessing information on the World Wide Web. Each individual web page, image, and video is identified by a distinct Uniform Resource Locator (URL), enabling browsers to retrieve these resources from a web server and display them on the user's device.

A web browser is not the same thing as a search engine, though the two are often confused. For a user, a search engine is just a website, such as google.com, that stores searchable data about other websites. But to connect to a website's server and display its web pages, a user needs to have a web browser installed on their device.

The most popular browsers are Chrome, Firefox, Safari, Internet Explorer, and Edge.

Requirements:

Following are the hardware and the software requirements for our project:

a) Hardware:

- ✔ Laptop/Desktop
- ✔ 1.8 GHz or faster processor. Quad-core or better recommended
- ✔ 2 GB of RAM
- ✔ Hard disk space: Minimum of 800MB up to 210GB of available space
- ✔ Video card that supports a minimum display resolution of 720p (1280 by 720)

b) Software:

- **o** Windows 8.1 and above
- o Visual Studio
- o Windows Server 2016
- o .NET Framework 4.5 is required to install Visual Studio
- o Web Browser

Software Design

Code design: The purpose of code is to facilitate the identification and retrieval for items of information. A code is an ordered collection of symbols designed to provide unique identification of an entity or attribute. To achieve unique identification there must be only one place where the identified entity or the attribute can be entered in the code; conversely there must be a place in the code for every thing that is to be identified. This mutually exclusive feature must be built into any coding system. The codes for this system are designed with two features in mind. Optimum human oriented use and machine efficiency. Length of the code range from length of one to length of five characteristics:

Ø The code structure is unique; ensuring that only one value of the code with a single meaning may be correctly applied to a given entity or attributes.

Ø The code structure is expansible allowing for growth of its set of entities and attributes.

Ø The code is concise and brief for recording, communication, transmission and storage efficiencies.

Ø They have a uniform size and format.

Ø The codes are simple so that the user can easily understand it.

Ø The codes are also versatile i.e., it is easy to modify to reflect necessary changers in condition, chart eristic and relationships of the encode entities.

Ø The codes are also easily storable for producing reports in a predetermined order of format.

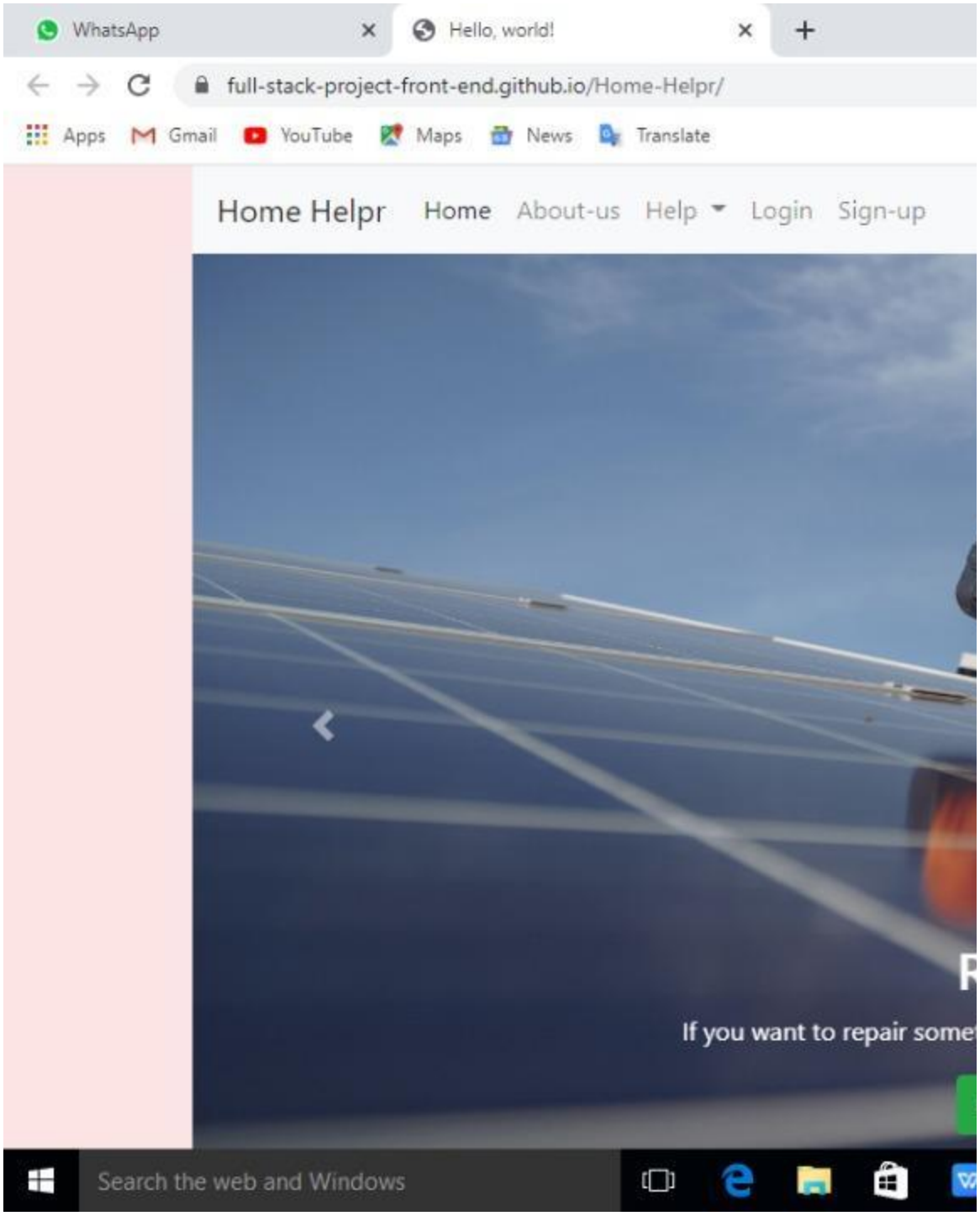
Ø The codes are also stable and do not require being frequently updated thereby promoting user efficiency.

Ø The codes are also meaningful.

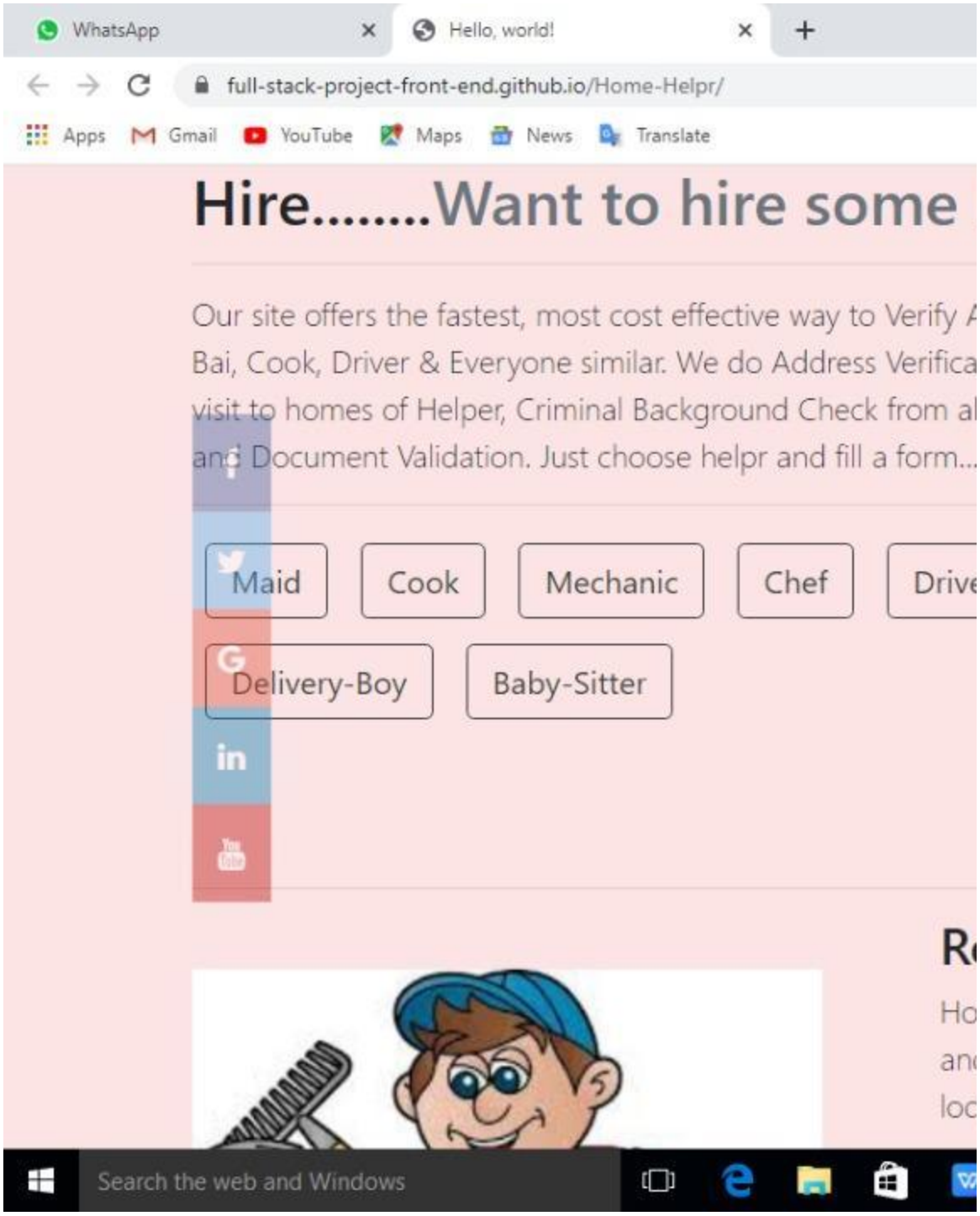
Ø They are also operable i.e., they are adequate for present and anticipate data processing both for machine and human use.

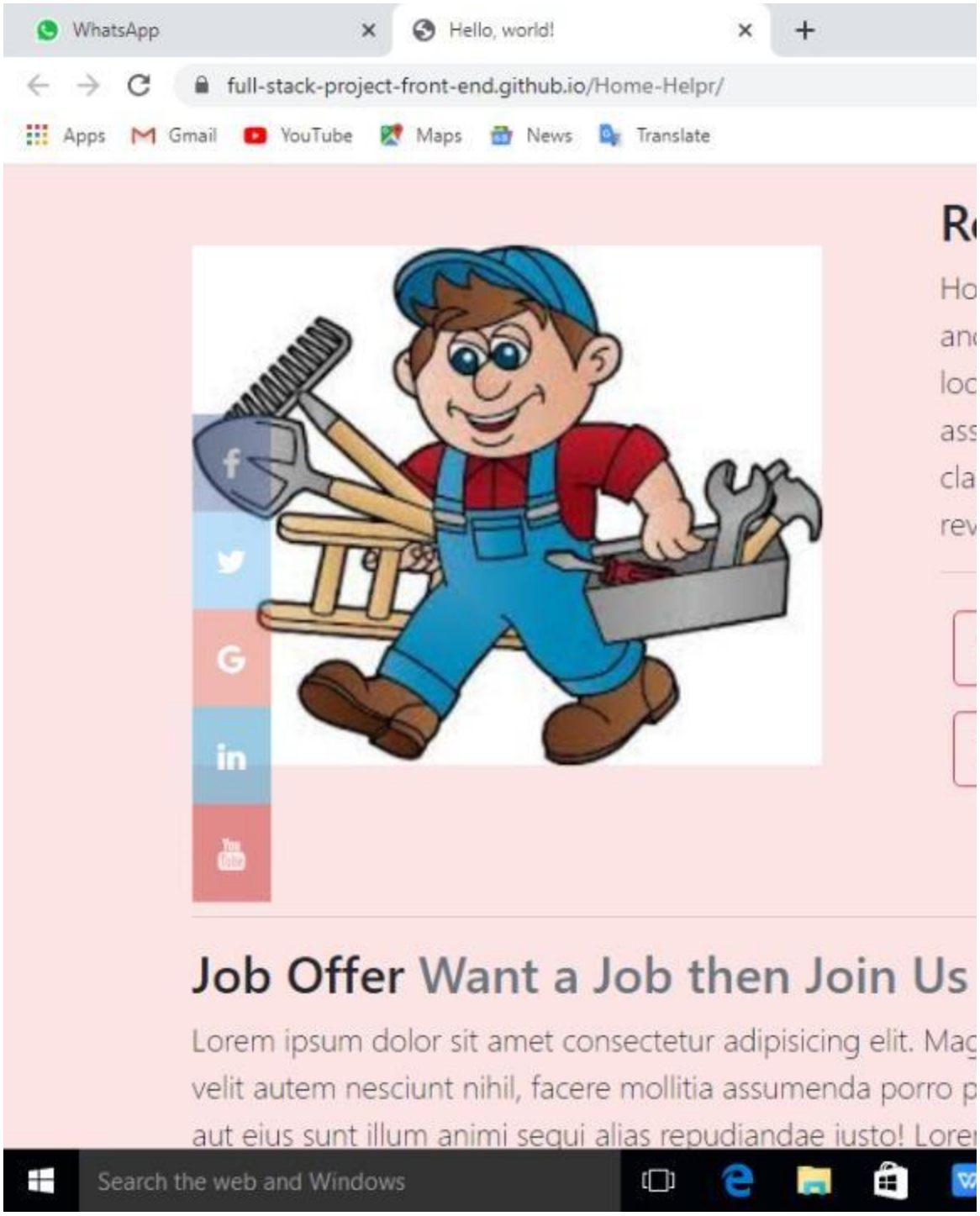
SOME SCREENSHOTS OF WEBSITE

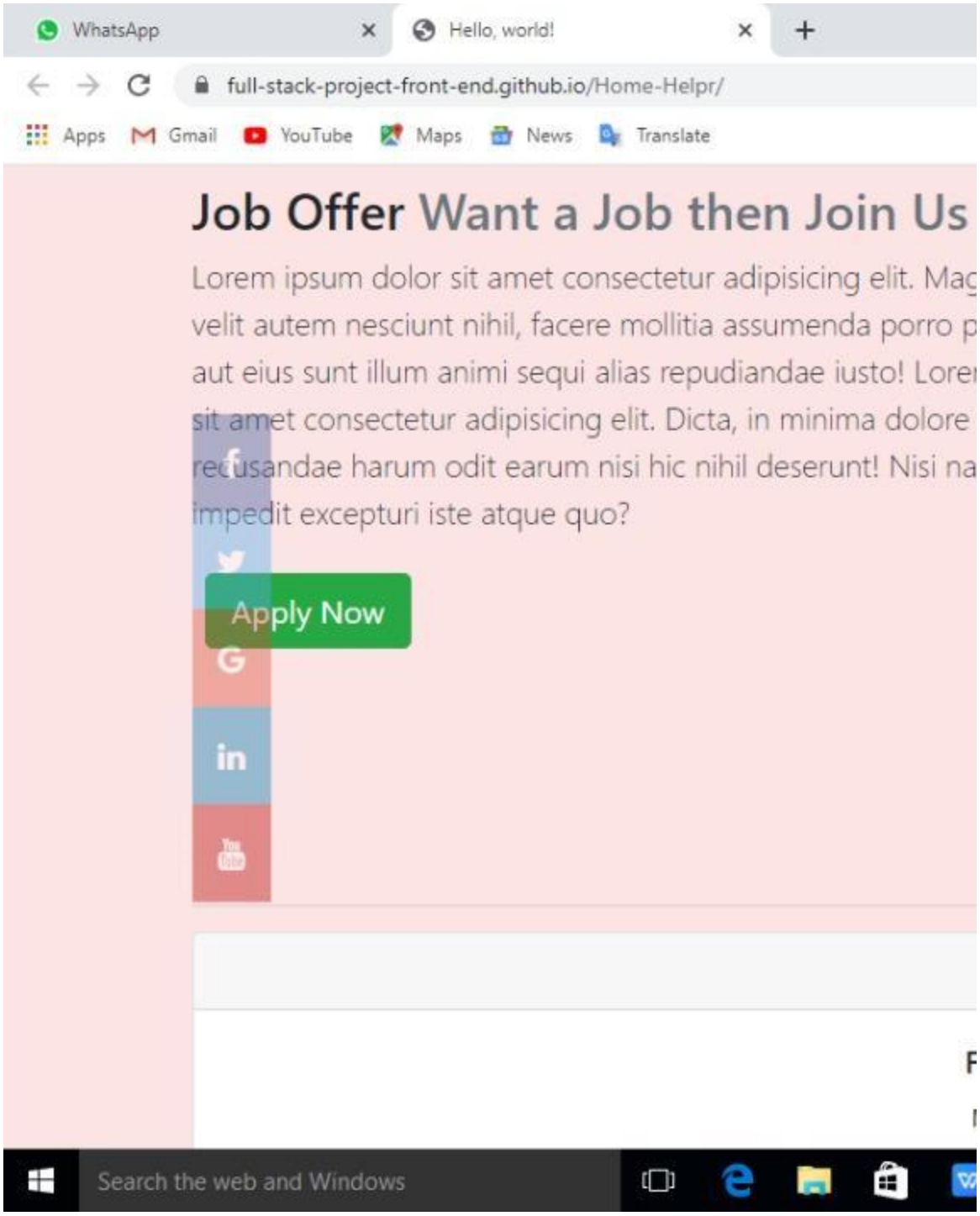
WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/
Apps
Gmail
YouTube
Maps
News
Translate
Home Helpr
Home
About-us
Help
Login
Sign-up
Hire
Want to hire a helprs then
Waiting for full-stack-project-front-end.github.io...
Search the web and Windows


WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/
Apps
Gmail
YouTube
Maps
News
Translate
Home Helpr
Home
About-us
Help
Login
Sign-up
If you want to repair some
Search the web and Windows

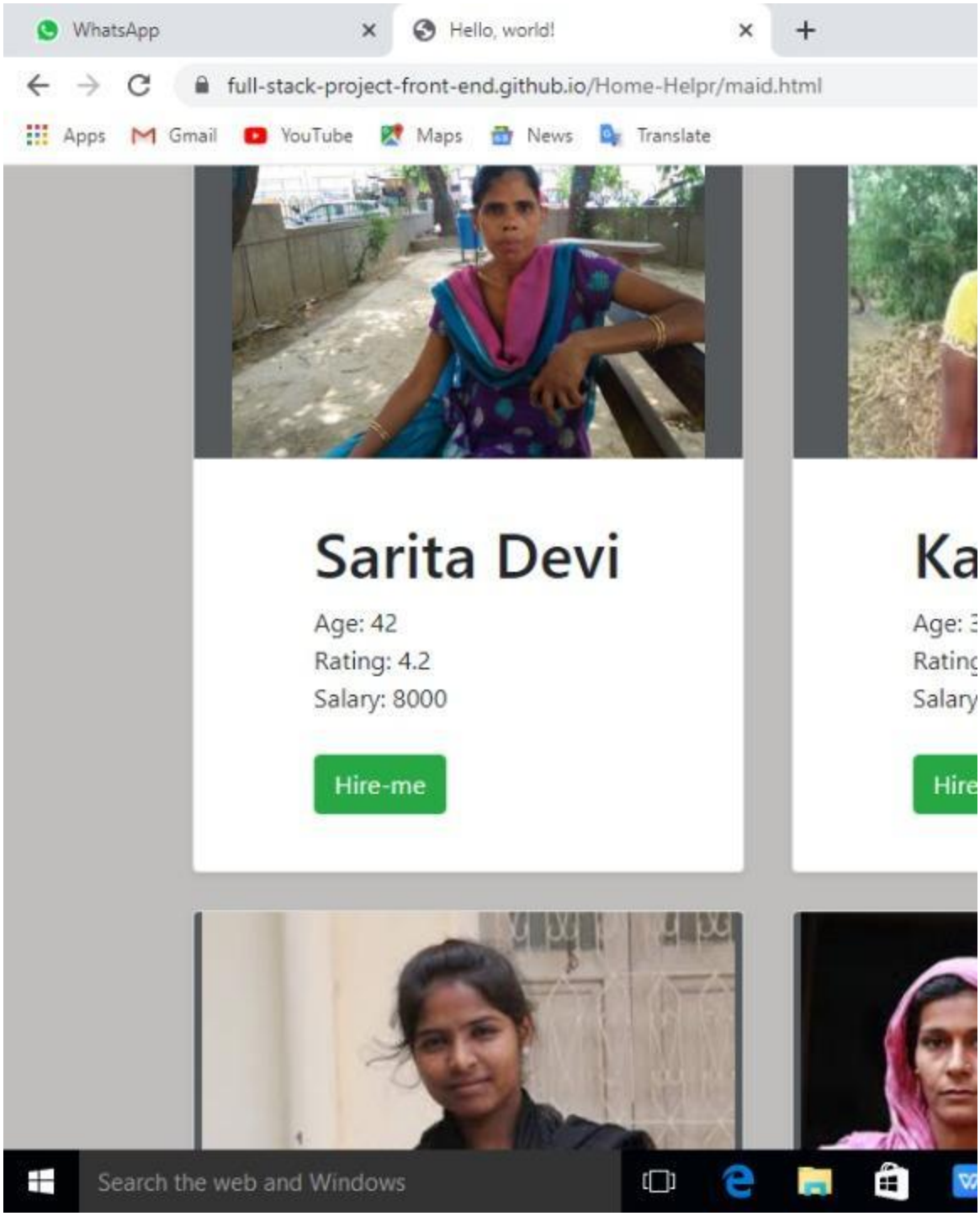
WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/
Apps
Gmail
YouTube
Maps
News
Translate
Home Helpr
Home
About-us
Help
Login
Sign-up
If you want a job like maid,driver,
Search the web and Windows

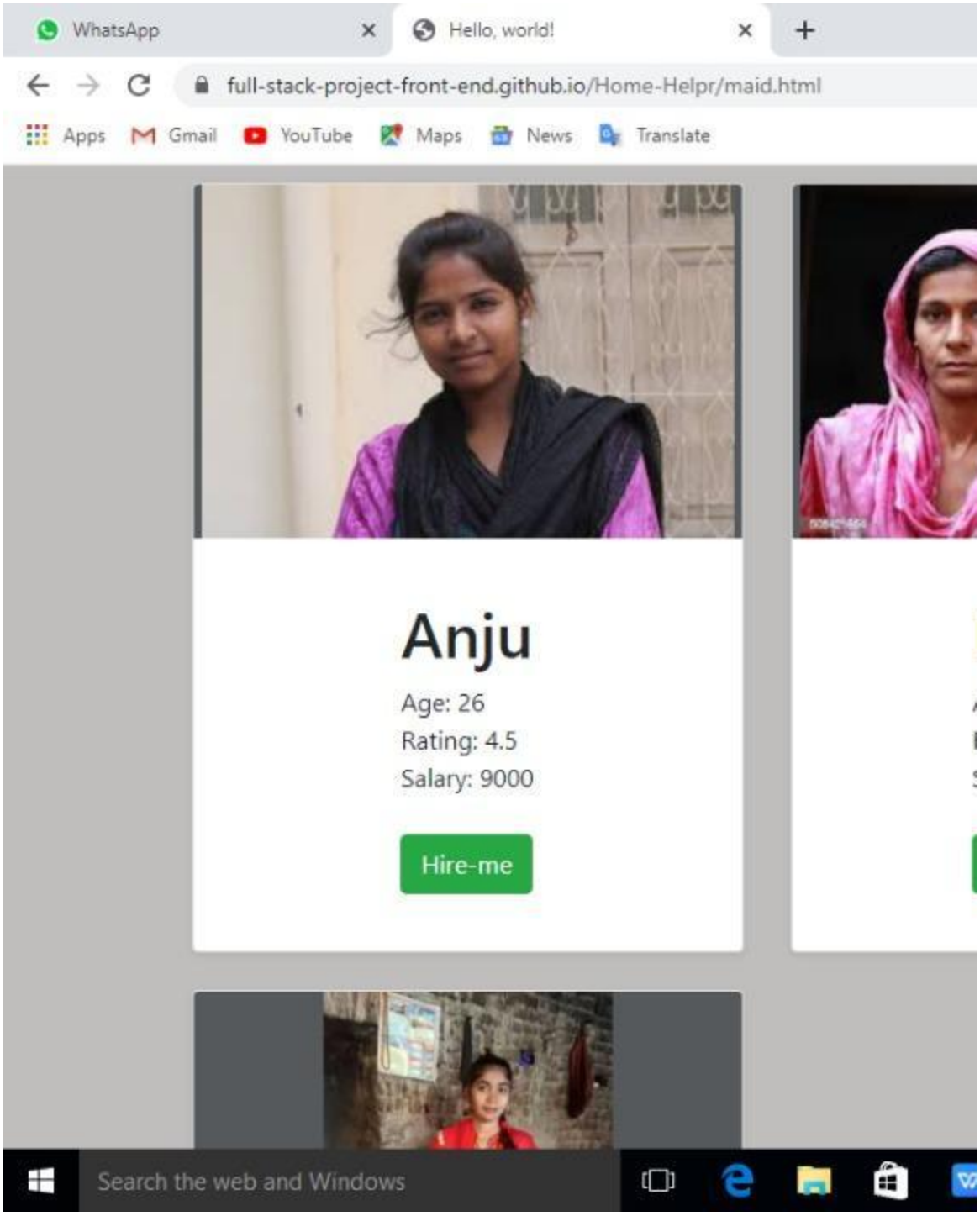

WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/
Apps
Gmail
YouTube
Maps
News
Translate
Hire.....Want to hire some
Our site offers the fastest, most cost effective way to Verify
Bai, Cook, Driver & Everyone similar. We do Address Verifica
visit to homes of Helper, Criminal Background Check from a
and Document Validation. Just choose helpr and fill a form...
Maid
Cook
Mechanic
Chef
Drive
Delivery-Boy
Baby-Sitter
Search the web and Windows

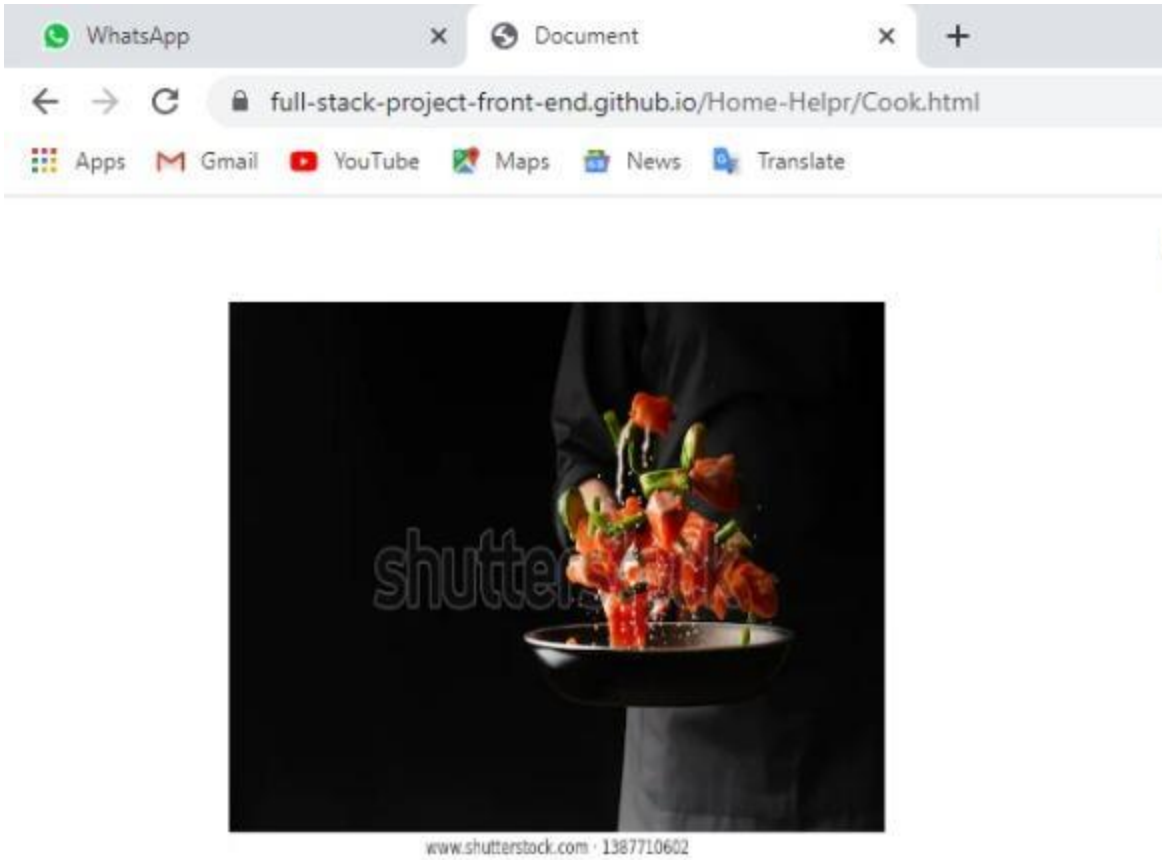

WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/
Apps
Gmail
YouTube
Maps
News
Translate
Job Offer Want a Job then Join Us
Lorem ipsum dolor sit amet consectetur adipisicing elit. Mag
velit autem nesciunt nihil, facere mollitia assumenda porro p
aut eius sunt illum animi sequi alias repudiandae iusto! Lore
Search the web and Windows


WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/
Apps
Gmail
YouTube
Maps
News
Translate
Job Offer Want a Job then Join Us
Lorem ipsum dolor sit amet consectetur adipisicing elit. Mag
velit autem nesciunt nihil, facere mollitia assumenda porro p
aut eius sunt illum animi sequi alias repudiandae iusto! Lore
sit amet consectetur adipisicing elit. Dicta, in minima dolore
recusandae harum odit earum nisi hic nihil deserunt! Nisi na
impedit excepturi iste atque quo?
Apply Now
Search the web and Windows

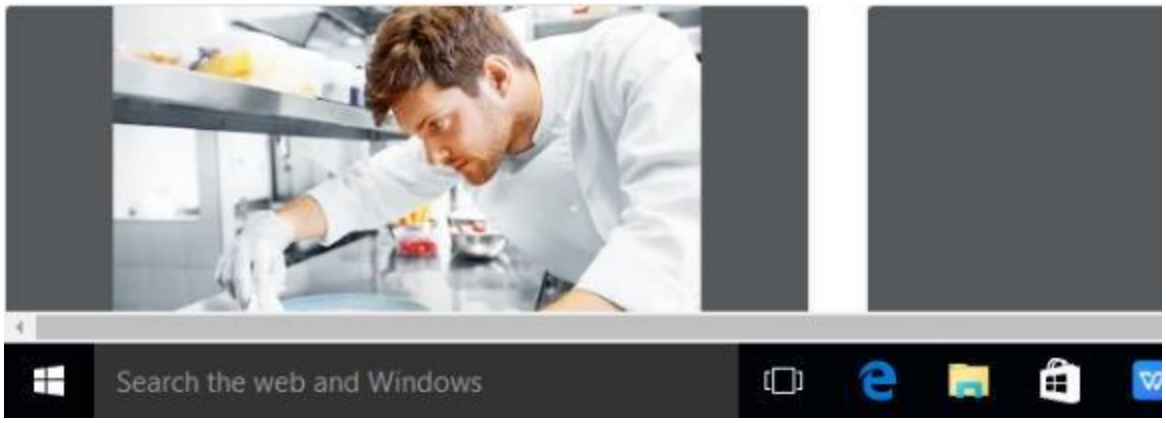
WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/maid.html
Apps
Gmail
YouTube
Maps
News
Translate
GK Maid Services
A maid is a household worker who cleans and performs various other t
an occasional housekeeper or cleaner instead.
These are maids which are available for hiring.....
Search the web and Windows

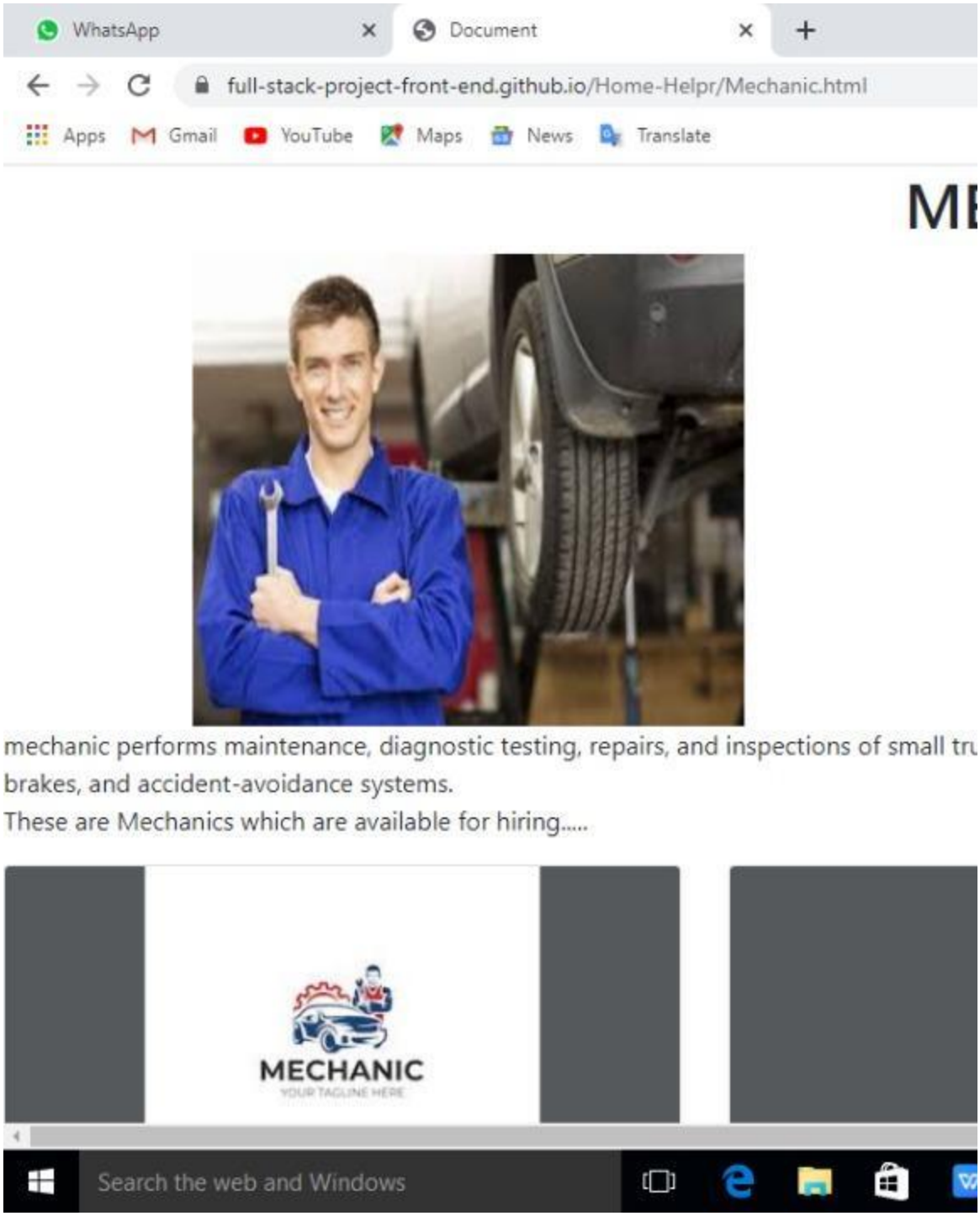

WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/maid.html
Apps
Gmail
YouTube
Maps
News
Translate
Sarita Devi
Age: 42
Rating: 4.2
Salary: 8000
Hire-me
Search the web and Windows

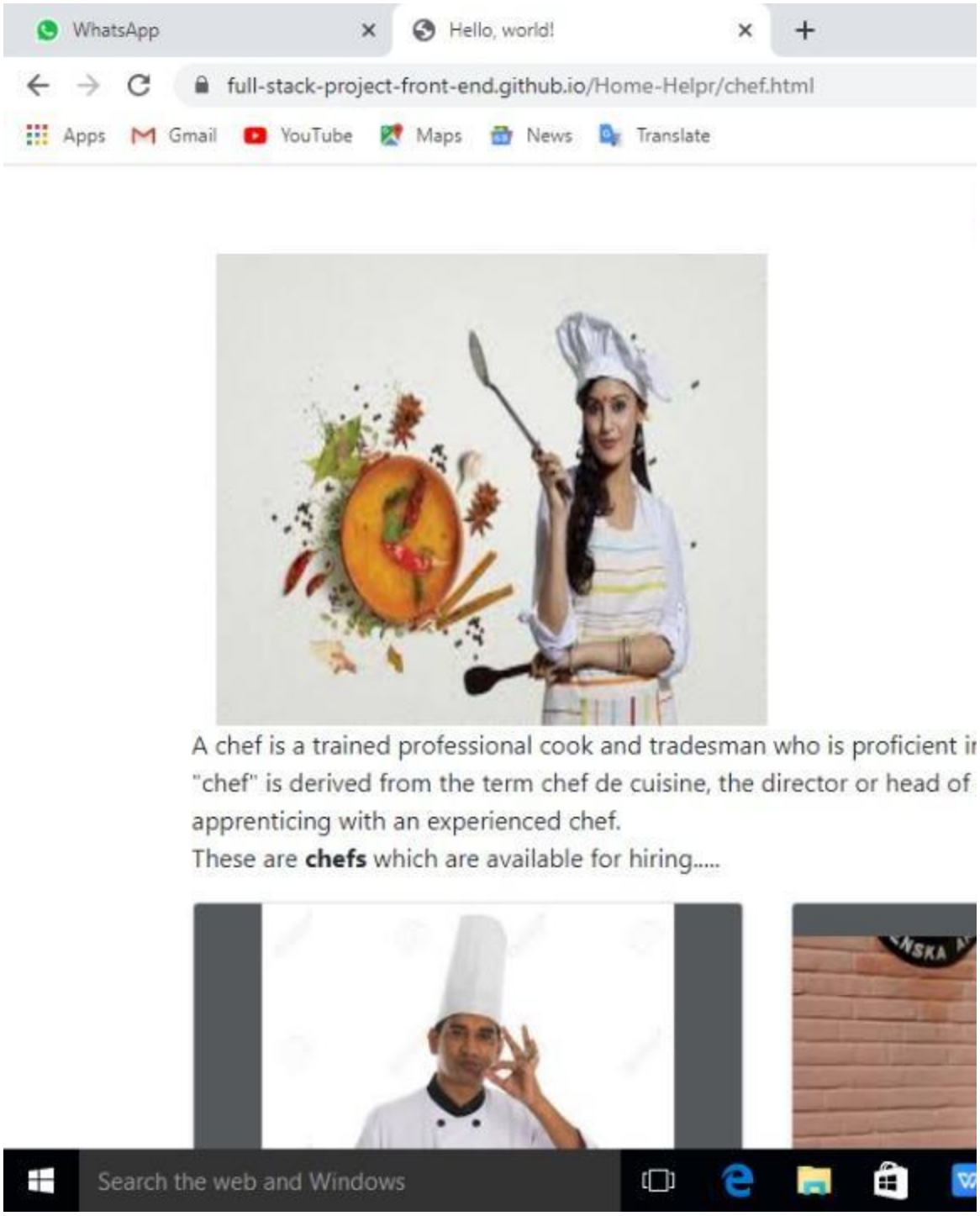

WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/maid.html
Apps
Gmail
YouTube
Maps
News
Translate
Anju
Age: 26
Rating: 4.5
Salary: 9000
Hire-me
Search the web and Windows

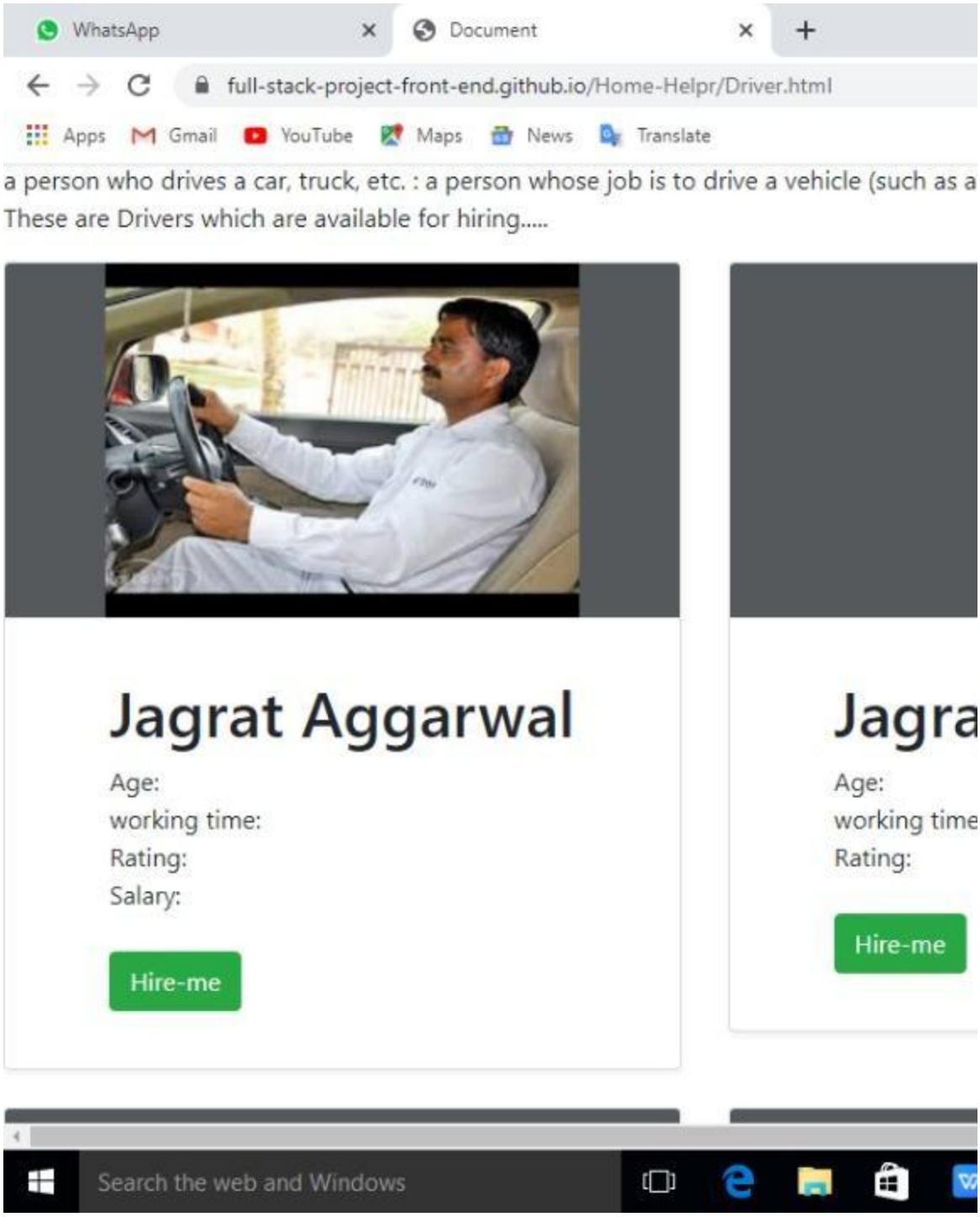


A cook is a profession for individuals who prepare food for consumption in the food ind
world, the terms are not interchangeable.
These are Cooks which are available for hiring.....

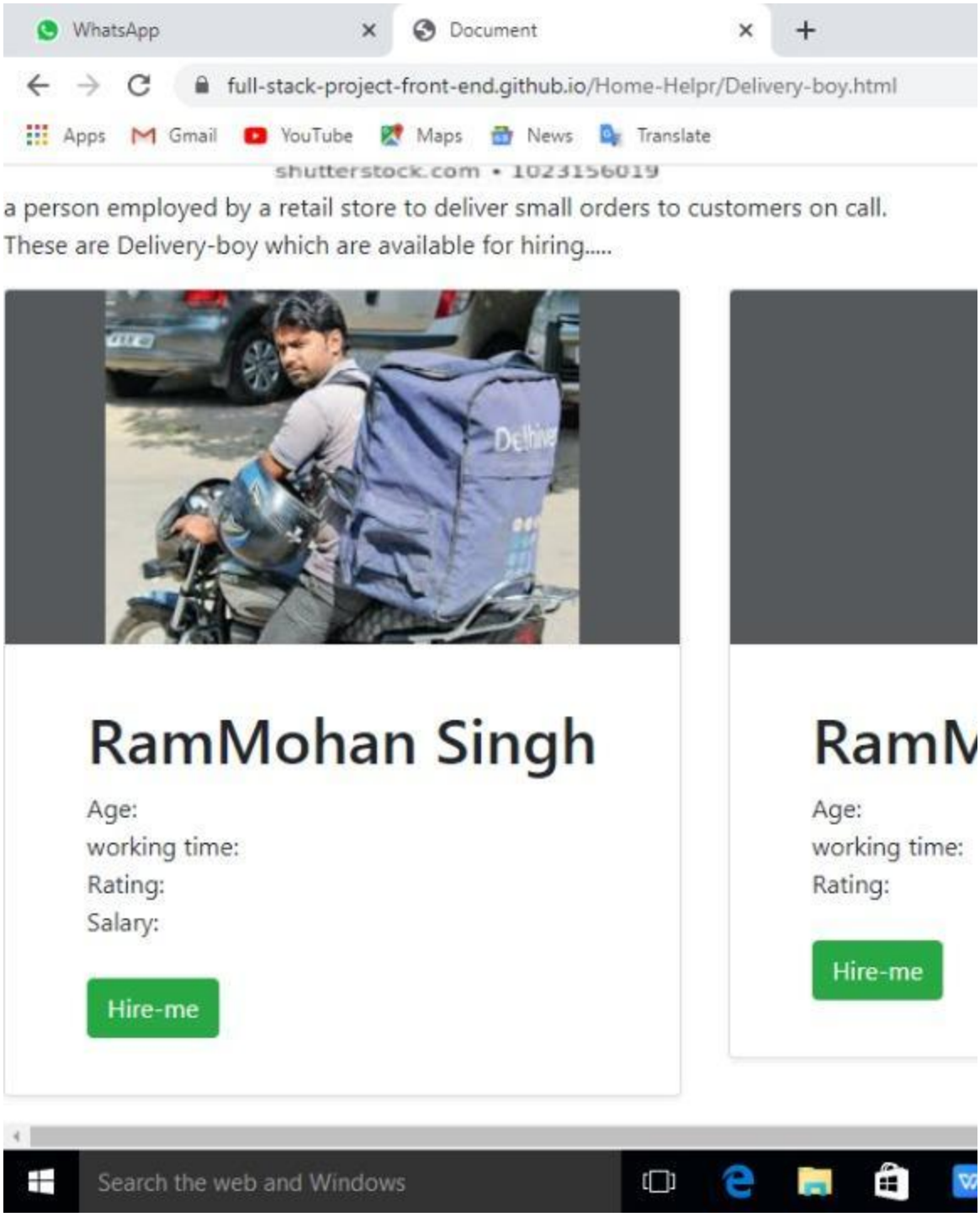


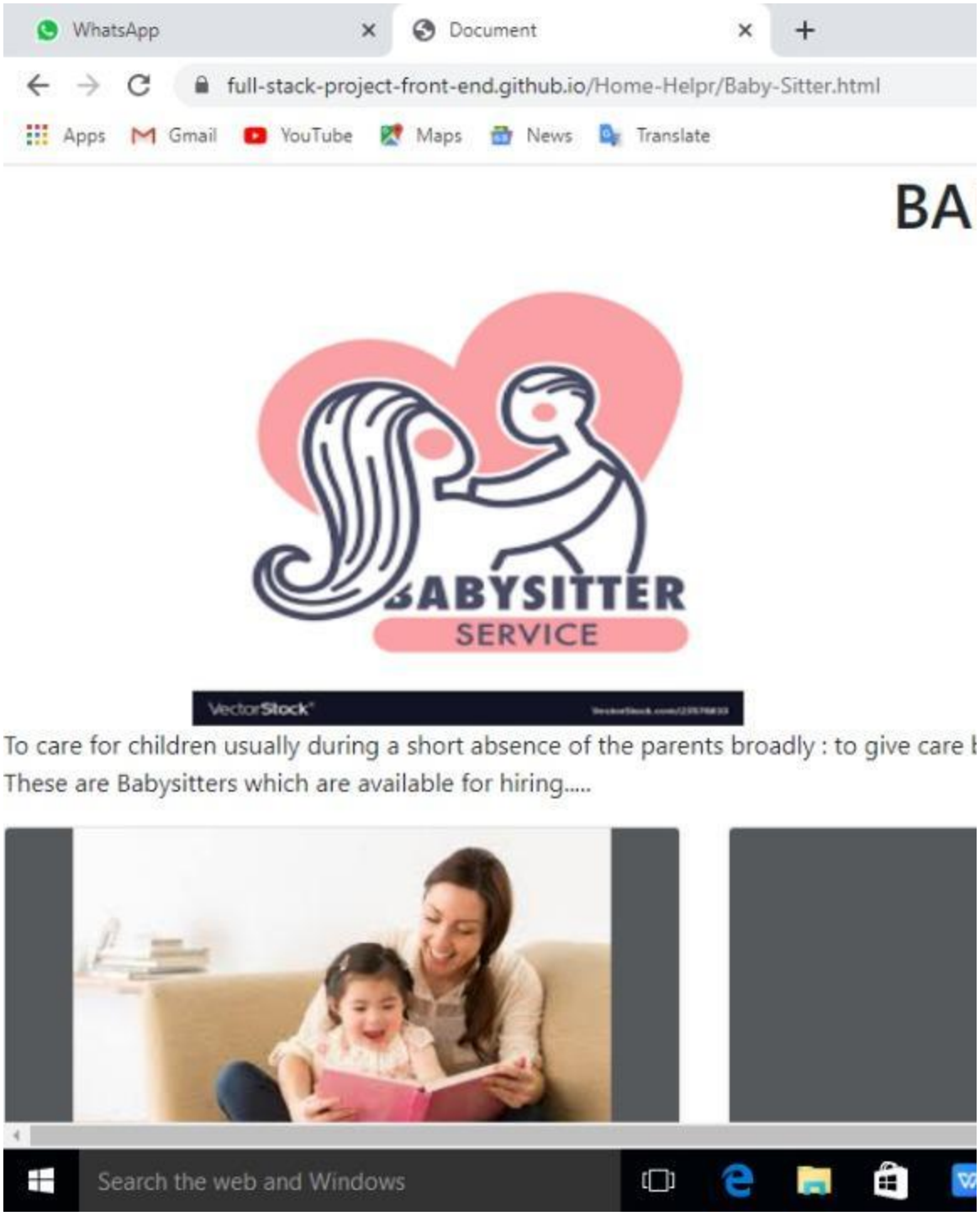

WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/Mechanic.html
Apps
Gmail
YouTube
Maps
News
Translate
ME
mechanic performs maintenance, diagnostic testing, repairs, and inspections of small tru
brakes, and accident-avoidance systems.
These are Mechanics which are available for hiring.....
MECHANIC
YOUR TAGLINE HERE
Search the web and Windows

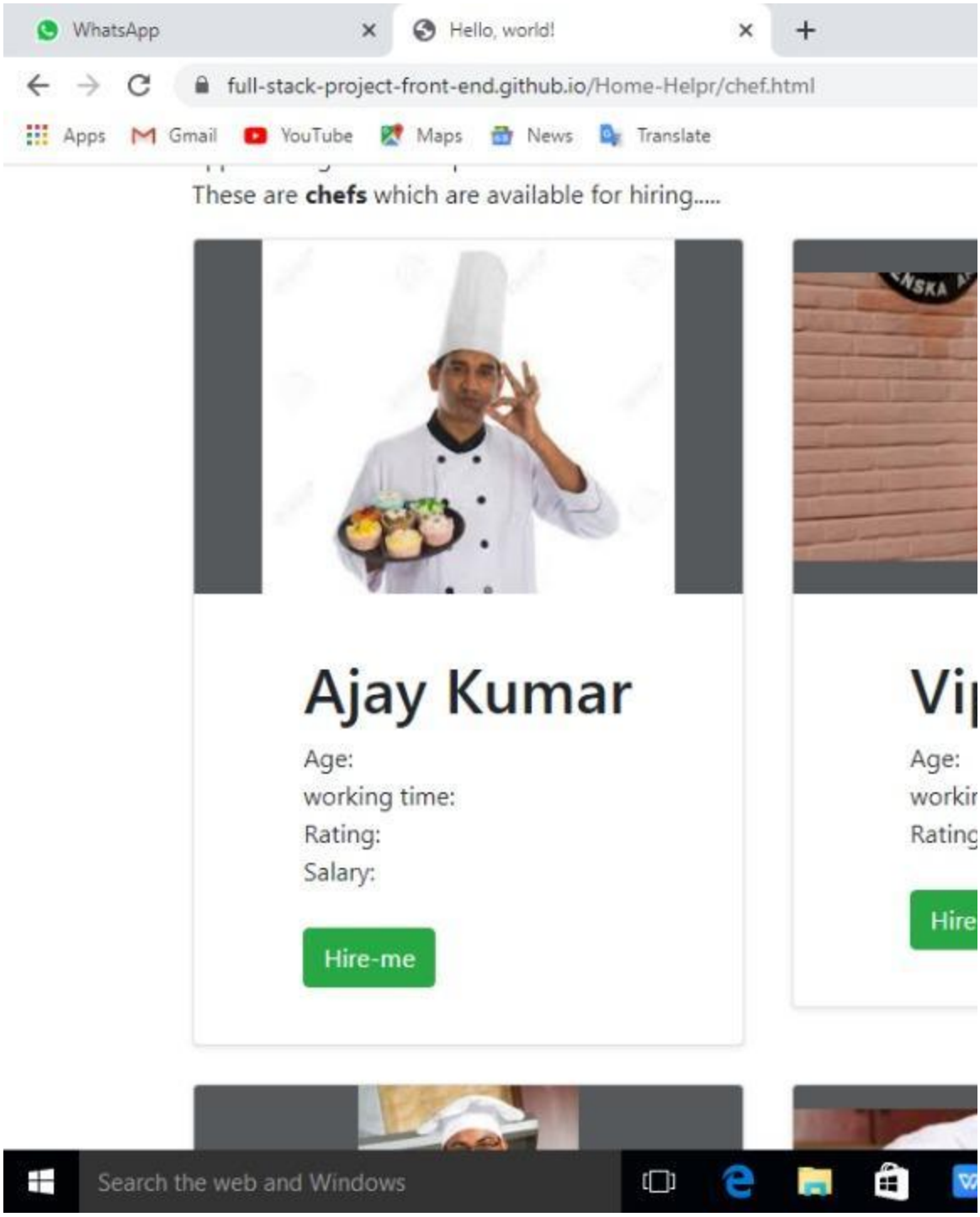

WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/chef.html
Apps
Gmail
YouTube
Maps
News
Translate
A chef is a trained professional cook and tradesman who is proficient ir
"chef" is derived from the term chef de cuisine, the director or head of
apprenticing with an experienced chef.
These are chefs which are available for hiring.....
Search the web and Windows


WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/Driver.html
Apps
Gmail
YouTube
Maps
News
Translate
a person who drives a car, truck, etc. : a person whose job is to drive a vehicle (such as a
These are Drivers which are available for hiring.....
Jagrat Aggarwal
Age:
working time:
Rating:
Salary:
Hire-me
Jagra
Age:
working time
Rating:
Hire-me
Search the web and Windows

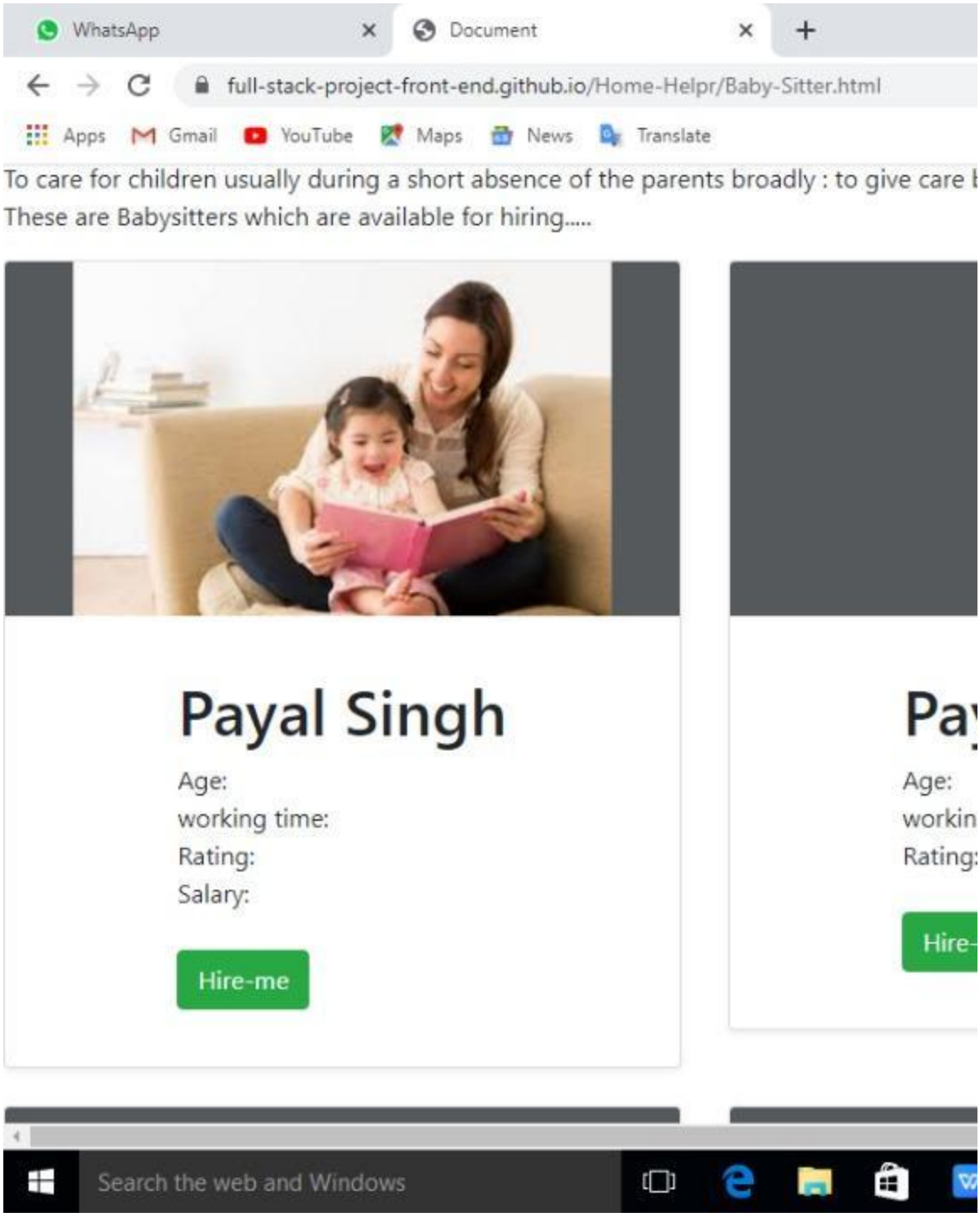
WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/Delivery-boy.html
Apps
Gmail
YouTube
Maps
News
Translate
DELI
Pizza Delivery
shutterstock.com • 1023156019
a person employed by a retail store to deliver small orders to customers on call.
These are Delivery-boy which are available for hiring.....
Search the web and Windows

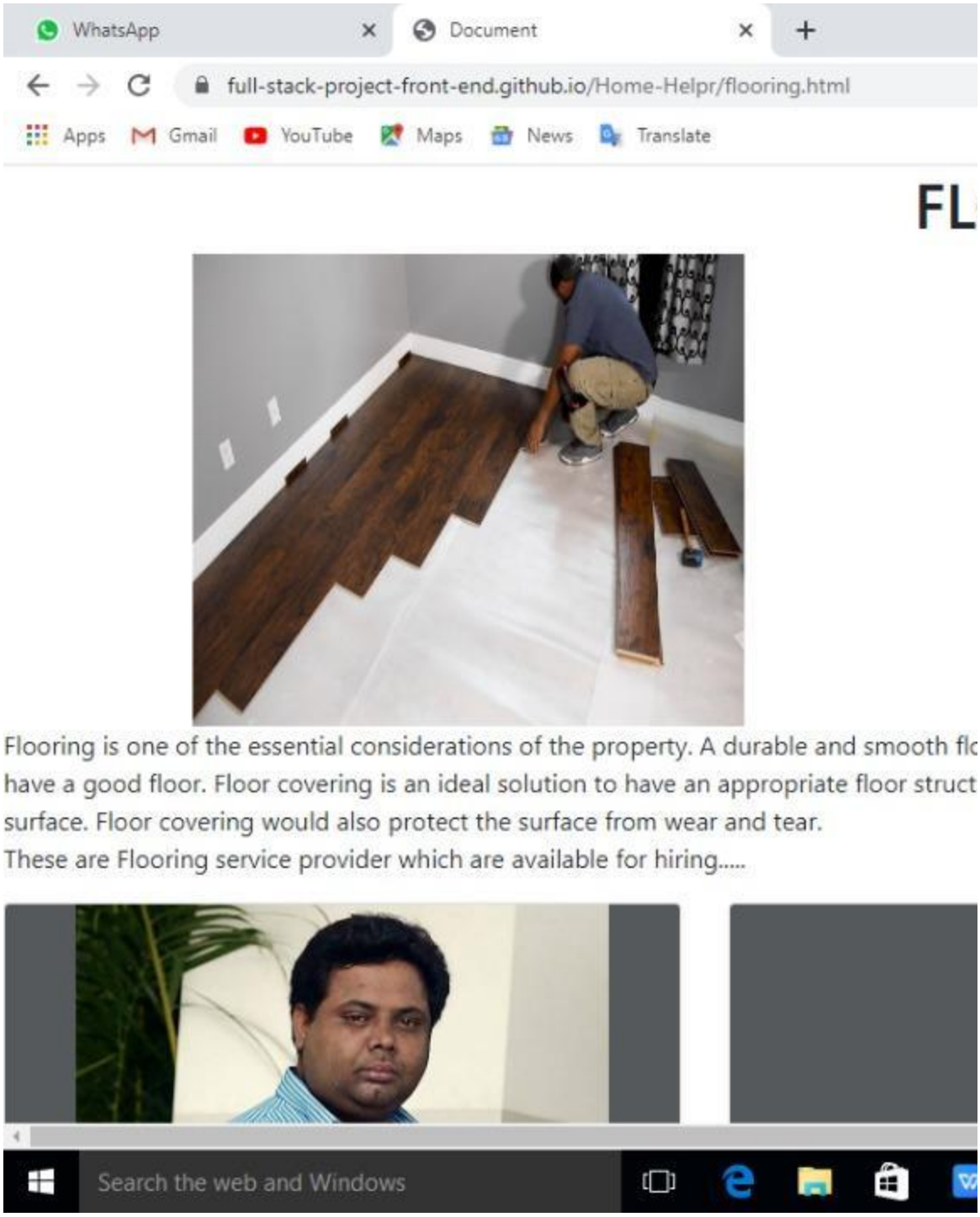

WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/Delivery-boy.html
Apps
Gmail
YouTube
Maps
News
Translate
shutterstock.com • 1023156019
a person employed by a retail store to deliver small orders to customers on call.
These are Delivery-boy which are available for hiring.....
RamMohan Singh
Age:
working time:
Rating:
Salary:
Hire-me
RamM
Age:
working time:
Rating:
Hire-me
Search the web and Windows

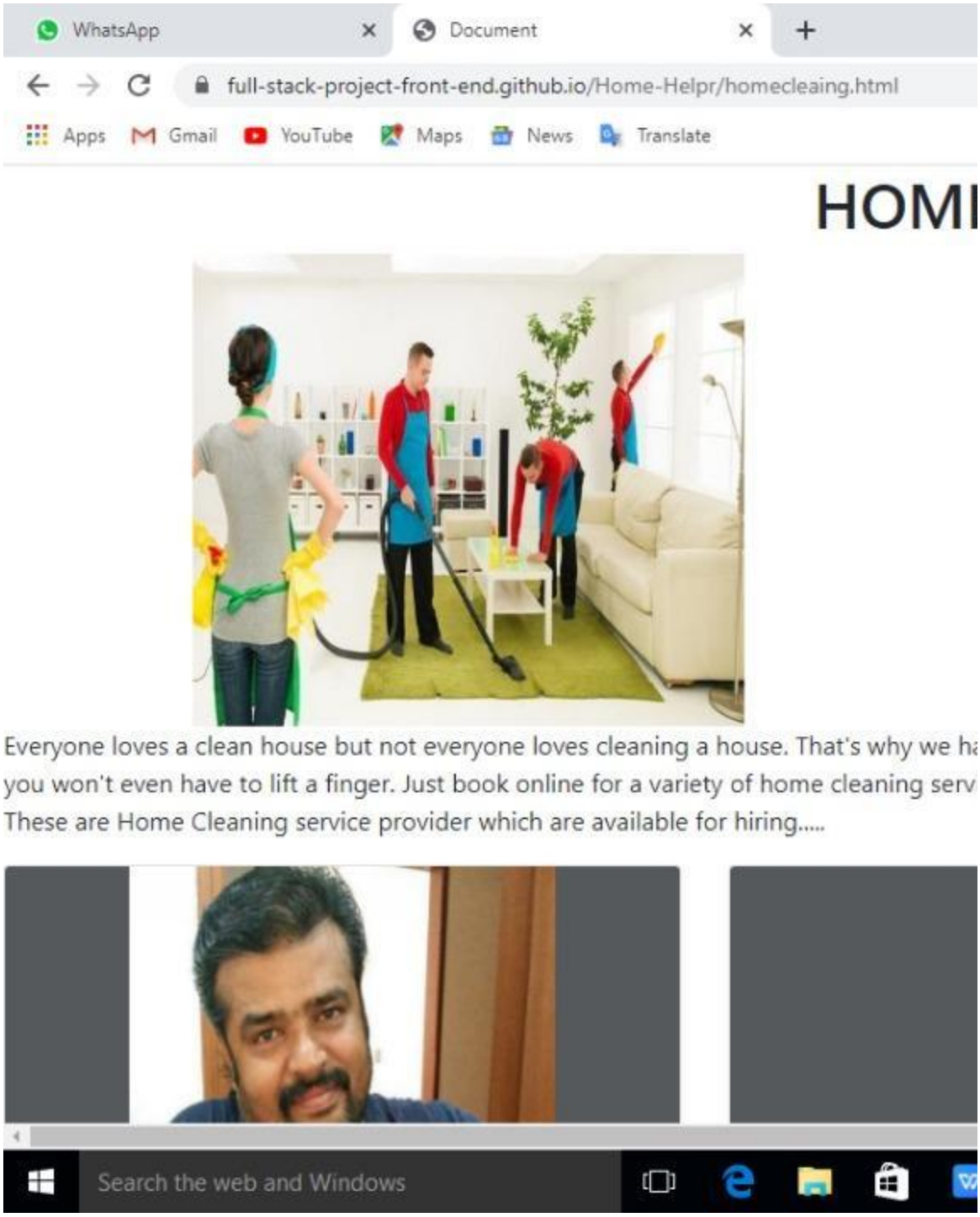

WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/Baby-Sitter.html
Apps
Gmail
YouTube
Maps
News
Translate
BA
BABYSITTER
SERVICE
VectorStock
To care for children usually during a short absence of the parents broadly : to give care
These are Babysitters which are available for hiring.....
Search the web and Windows

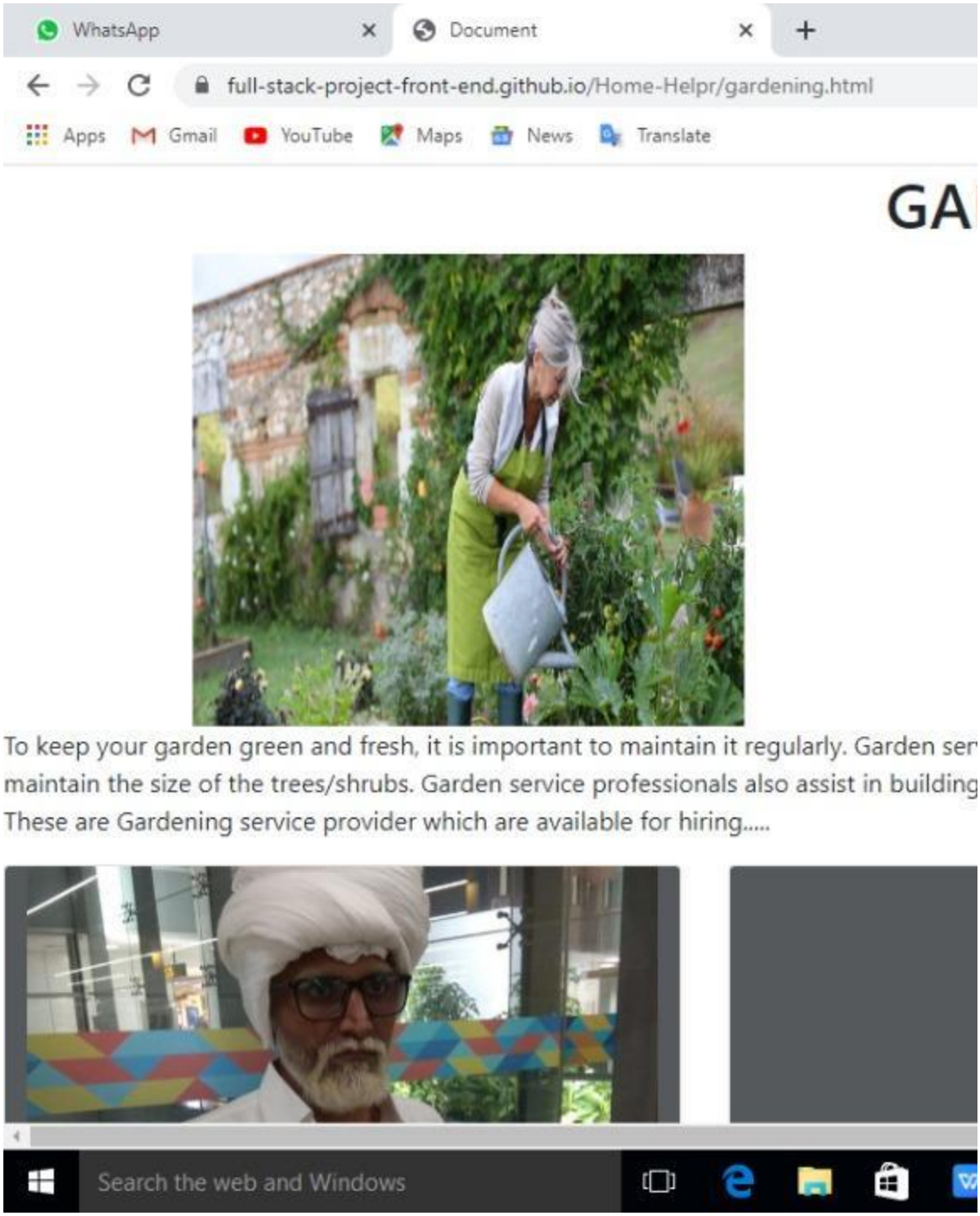

WhatsApp
Hello, world!
full-stack-project-front-end.github.io/Home-Helpr/chef.html
Apps
Gmail
YouTube
Maps
News
Translate
These are chefs which are available for hiring.....
Ajay Kumar
Age:
working time:
Rating:
Salary:
Hire-me
Search the web and Windows

WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/Driver.html
Apps
Gmail
YouTube
Maps
News
Translate
a person who drives a car, truck, etc. : a person whose job is to drive a vehicle (such as a
These are Drivers which are available for hiring.....
Search the web and Windows


WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/Baby-Sitter.html
Apps
Gmail
YouTube
Maps
News
Translate
To care for children usually during a short absence of the parents broadly : to give care
These are Babysitters which are available for hiring.....
Payal Singh
Age:
working time:
Rating:
Salary:
Hire-me
Search the web and Windows


WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/flooring.html
Apps
Gmail
YouTube
Maps
News
Translate
FL
Flooring is one of the essential considerations of the property. A durable and smooth flo
have a good floor. Floor covering is an ideal solution to have an appropriate floor struct
surface. Floor covering would also protect the surface from wear and tear.
These are Flooring service provider which are available for hiring.....
Search the web and Windows


WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/homecleaing.html
Apps
Gmail
YouTube
Maps
News
Translate
HOMI
Everyone loves a clean house but not everyone loves cleaning a house. That's why we ha
you won't even have to lift a finger. Just book online for a variety of home cleaning serv
These are Home Cleaning service provider which are available for hiring.....
Search the web and Windows


WhatsApp
Document
full-stack-project-front-end.github.io/Home-Helpr/gardening.html
Apps
Gmail
YouTube
Maps
News
Translate
GA
To keep your garden green and fresh, it is important to maintain it regularly. Garden ser
maintain the size of the trees/shrubs. Garden service professionals also assist in building
These are Gardening service provider which are available for hiring.....
Search the web and Windows

CONCLUSION

- The present generation being the largest consumer of the internet is also the largest consumer of the on-demand home services, and this will further results in incredible market growth in the coming years.
- Users can easily select the time slot they wish to get a service to be done without losing their important work and time.
- Home Helpr create better chances of lead generation for service providers by connecting them to larger audiences.

References

- https://www.w3schools.com
- https://getbootstrap.com
- https://www.javascript.com
- https://www.beta-labs.in
- https://developer.mozilla.org/en-US