

Enter-connectivity

Preserving Relationships



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Lawrence Technological University

By: Milan Jostes and Roman Higginson

Table of Contents

[Introduction 2](#_Toc152421425)

[Basic Operation 2](#_Toc152421426)

[Design Diagram 2](#_Toc152421427)

[Demonstration 2](#_Toc152421428)

[Difficulties 2](#_Toc152421429)

[Future Additions 2](#_Toc152421430)

[Conclusion 2](#_Toc152421431)

# Introduction

Enter-connectivity is a program that was developed to promote the continued strengthening of relationships. A user will be able to keep track of all the people they wish to interact with on a consistent basis. The program will update the user on birthdays, which people to contact, and how long it has been since the two individuals last interacted. The aim of this project is to help people stay in contact with their friends and family. The server holds all of the data for the users, so that they can access it from anywhere or on any device.

# Basic Operation

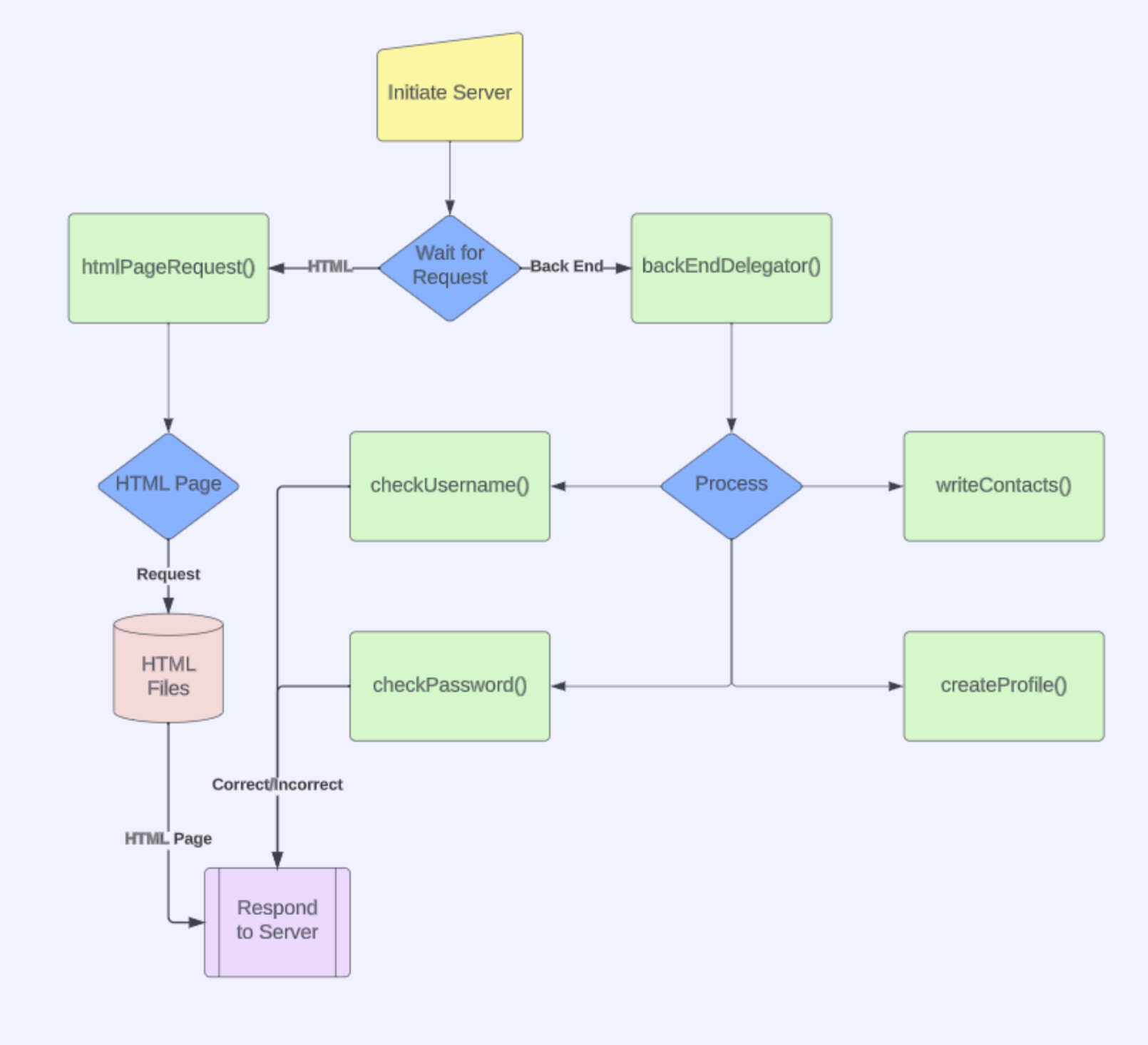
Enter-connectivity works in two segments, the Server side and Client side. The server deals with the logic of the program, reading and writing data, creating contact data variables, and storing of the information. The client side, written primarily in HTML, provides the User Interface of the program.

## Server

The server

## Client

# Design Diagram



# Coding

There are quite a few files used in this project, split into different files for the convenience of modularization.

## Server Side

## Contact.js

* contactCreate()
  + Parameters: Takes in a name, birthday, email, phone number, data of last contact, and how often the user would like to interact with that individual.
  + Function:
  + Returns: A dictionary
* dateToText()
* textToDate()
* textContact()
* separateContacts()
* outputContacts()

## Read-write.js

* readContacts()
* writeContacts()
* checkPassword()

## Server-commands.js

## Client Side

# Demonstration

# Difficulties

* Port Forwarding
  + Two NAT systems
* DMZ
  + Two NAT systems
* Learning Javascript
* Ngrok
  + Not enough time

# Future Additions

Desktop application

Allow adding of existing contacts from phone/other apps

Suggestions for possible outings

# Conclusion