



Base Camp Final Project Presentation

Basecamp Coding Academy

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HELLO!



My name is Martin Guzman

Student at Base Camp Coding Academy.

Born in Mexico City, MX

Graduated from Oxford High school - class of 2016

I'm commencing an internship at C Spire starting May 15. This internship will be a valuable experience and hopefully guide me to launch a career in software development.

Basecamp Cumulative Project Purposes

Why is this important?:

- Each project is an integral part of Base Camp's evaluation for internships, graduation, and future employment.
- Each project will be marketed to future employees as a cumulative programming project, and the quality of work will represent qualities as a future employee.

Things to keep in mind:

- Create work that you will be proud of showing your future employer. Communicate that you are a capable programmer.
- Demonstrate your software professionalism with appropriate Git usage, writing tests, and producing clean code.
- Operate like a professional. Step up when needed, apply discretion, and execute each project with maturity.

Previous Cumulative Projects

Python

Project Needs:

- A program written in Python.
- Ability to view and update inventory.
- Capability to calculate sales costs and access revenue history.
- Account for rentals, returns, and replacements.

Web Development

Project Needs:

- Static Web Page (**HTML and CSS**)
- Dynamic Web Page (**Javascript**)
- Build a storefront for your rental company.
- Display the inventory with the prices (modifying/adjusting the inventory as needed).

Django

1.

Python Web Framework

What is Django?...

This Django?



Mhmm Django Reinhardt?...



DJANGO!

Django is a free and open source web application framework, written in Python, which follows the Model-View-Template(MVT) architectural pattern.(similar to MVC pattern)

- ▶ **Framework** - A Framework is a set of predefined functions and classes which a developer can use for faster development. A Framework provides you with set of tools to help you write the code faster and better.
- ▶ **Web Application** - A software program that runs on a web server



Goals for this project

Learning Django is a very useful skill that helps you understand the use of a MVC , or "Model-View-Controller" architectural pattern which helps you develop a web app quickly and efficient.

This project teaches a simply way of logically separating the different responsibilities of the application.

M

1. database tables are represented by the **Models**.

V

2. **Views** usually contain the business logic of the application and operate on models.

T

3. **Templates** are given all of the information they needs to dynamically generate the HTML representation of the page

Requirements for this project

Build a fullstack project using Python's Web Framework, Django. This web app only focuses on renting, does not worry about returns, replacements, or maintaining revenue history. The user is able to view the inventory, rent an item from that inventory and update the inventory after purchase.

Technologies Used:

Python - Programming Language

Django - Web Framework

HTML - HyperText Markup Language

CSS - Cascading Style Sheets

Git - Version Control

Bootstrap - Frontend Framework

Online Resources:

Django Girls - <https://tutorial.djangogirls.org/en/>

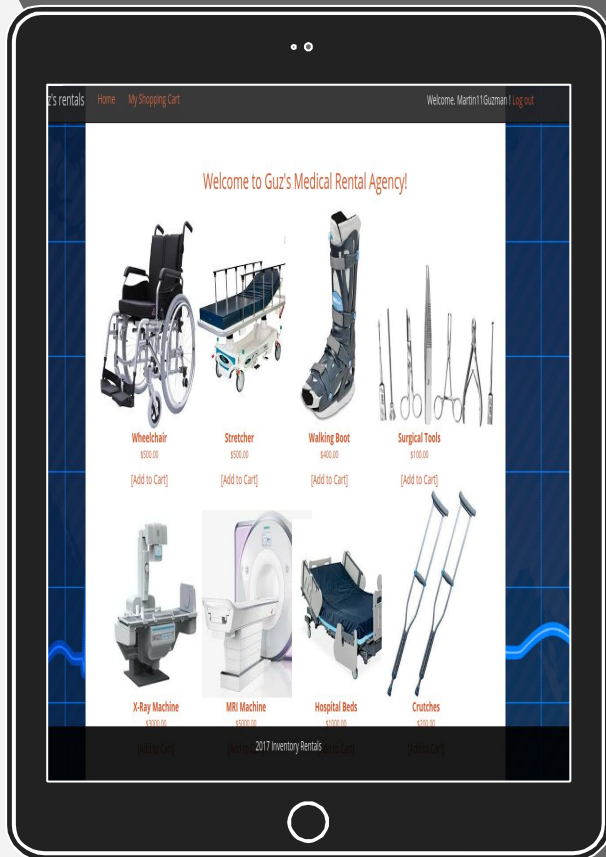
Django Documentation - <https://www.djangoproject.com/>

Learn Python Django from Scratch -

<https://www.safaribooksonline.com/library/view/learn-python-django/100000006A0403/x>

Podcast - Talk Python to me - Ep. #88 Lightweight Django

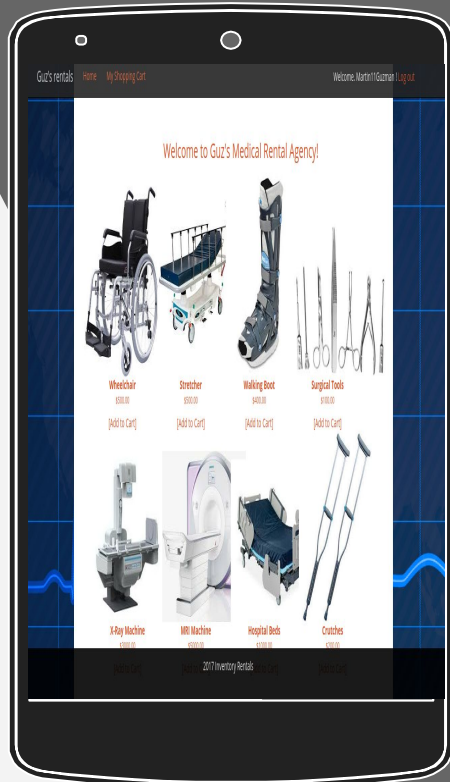
Tablet



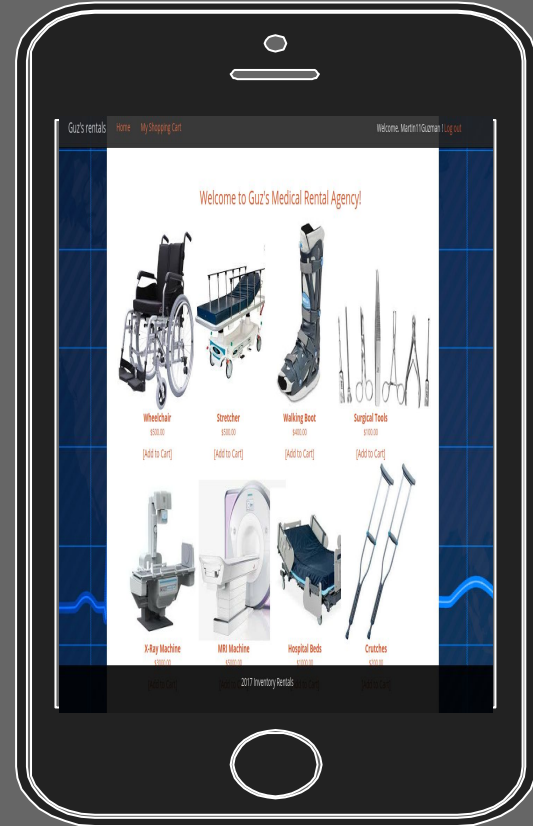
Computer



Android



Iphone



Django In Action!!!!

Log in



Martin11Guzman



☐ Remember me

login

[Forgot Password](#)

Welcome to Guz's Medical Rental Agency!



Wheelchair
\$500.00

[\[Add to Cart\]](#)



Stretcher
\$500.00

[\[Add to Cart\]](#)



Walking Boot
\$400.00

[\[Add to Cart\]](#)



Surgical Tools
\$100.00

[\[Add to Cart\]](#)



X-Ray Machine
\$3000.00

[\[Add to Cart\]](#)



MRI Machine
\$5000.00

[\[Add to Cart\]](#)



Hospital Beds
\$1000.00

[\[Add to Cart\]](#)



Crutches
\$200.00

[\[Add to Cart\]](#)



Wheelchair

A wheelchair, often abbreviated to just "chair", is a chair with wheels, used when walking is difficult or impossible due to illness, injury, or disability. Wheelchairs come in a wide variety of formats to meet the specific needs of their users. They may include specialized seating adaptations, individualized controls, and may be specific to particular activities, as seen with sports wheelchairs and beach wheelchairs. The most widely recognised distinction is between powered wheelchairs ("powerchairs"), where propulsion is provided by batteries and electric motors, and manually propelled wheelchairs, where the propulsive force is provided either by the wheelchair user/occupant pushing the wheelchair by hand ("self-propelled"), or by an attendant pushing from the rear ("attendant propelled").

Reviews(1)

This wheelchair is AhhMazunnnnn! It rolls so smooth that it almost feels like if you were walking! I love when I'm going down a hill and the air goes through my hair! It makes me feel like if I was young again running through a pasture of roses.

-Martin11Guzman on April 11, 2017

Your Cart

Wheelchair
Stock:9

1 x \$ 500.00
Quantity of items:
[+] / [-]

Stretcher
Stock:9

1 x \$ 500.00
Quantity of items: [+] / [-]

Walking Boot
Stock:9

1 x \$ 400.00
Quantity of items: [+] / [-]

Total: \$1400.00

Your Cart

Wheelchair
Stock:7

3 x \$ **500.00**

Quantity of items:

[+] / [-]

Stretcher
Stock:7

3 x \$ **500.00**

Quantity of items: [+] / [-]

Walking Boot
Stock:7

3 x \$ **400.00**

Quantity of items: [+] / [-]

Total: \$**4200.00**

| Action: ----- ▼ Go 0 of 8 selected | | | |
|--|---------------|---------|-------|
| <input type="checkbox"/> Title | Author | Price | Stock |
| <input type="checkbox"/> Crutches | Guzman Martin | 200.00 | 10 |
| <input type="checkbox"/> Hospital Beds | Guzman Martin | 1000.00 | 10 |
| <input type="checkbox"/> MRI Machine | Guzman Martin | 5000.00 | 10 |
| <input type="checkbox"/> X-Ray Machine | Guzman Martin | 3000.00 | 10 |
| <input type="checkbox"/> Surgical Tools | Guzman Martin | 100.00 | 10 |
| <input type="checkbox"/> Walking Boot | Guzman Martin | 400.00 | 10 |
| <input type="checkbox"/> Stretcher | Guzman Martin | 500.00 | 10 |
| <input type="checkbox"/> Wheelchair | Guzman Martin | 500.00 | 10 |
| 8 books | | | |

Popular Django-Powered Websites

Disqus

Probably the world's most popular blog comment hosting. Disqus is incredibly easy to integrate with most popular content management systems like Wordpress and many others.

Pinterest

70 million users! 33 million unique visits per month! Pin your ideas, cool articles and more. One of Pinterest co-founders says they have modified Django to fit their product needs. Pinterest has to be user friendly by its nature and it is definitely the King among Django websites. Well done!

BitBucket

BitBucket is a very serious rival offering Git and Mercurial hosting. Create a repo, push your code, add collaborators, analyze commits and pull requests and do a lot of other cool things with your projects.

NASA

Having so much visual content, NASA's website still remains stable and user friendly. It is not as popular as Pinterest or Instagram, but still serves 2 million visitors monthly. No wonder that Django was used to build some functional elements of the site - the government always chooses something they trust. So, Uncle Sam chooses Django.

Instagram

Instagram is a free and simple way to share your life and keep up with people.

Onion

This is probably the best place to look for satirical articles. The Onion is ridiculously funny. Authors reports on the national, international and local news to make them look and feel funny. To gain 8 million visitors per month isn't bad, huh?...

Reflection

- ▶ Easier but a little more complex structure than the other projects.
- ▶ Project Planning helps the workflow of a project
- ▶ Abundance of Resources

THANKS!

Any questions?

You can find my work @
<https://github.com/Martin11Guzman>