

# Django Final Presentation

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**[rkeisling.github.io/portfolio](https://rkeisling.github.io/portfolio)**

# Who am I?

- From Water Valley area
- Graduated Lafayette High School
- No prior coding experience
- I enjoy Magic the Gathering, Fallout
- Job offer from mTrade
- Will probably stay in Water Valley area for a while

# What did I do?

- Project was part of Base Camp final cumulative projects
  - Written in Django
  - Had to be some sort of rental website
  - Had to have frontend and backend
  - Mine is a tool rental service and only carries a few more expensive tools
- Django is scary
  - Lots of moving parts
  - Used it before, but only pieced the project together
  - Tried the official documentation first, but had a bad time
  - Found another tutorial called [Django Girls](#) that was beginner friendly

# Overview

- Purpose of product was to rent an item, display the amount owed, and the inventory be updated accordingly
- Product is intended to be used directly by the customer
- This would require the addition of a payment API in the real world
- In the real world, could be hosted on a server for customers to rent tools from all over the country or world
- The client could easily check which items need to be restocked or are in demand more often

# Overview (Cont.)

- Technical requirements were fairly simple
  - Had to use the Django framework
  - Had to have a backend and database that could be modified
  - User could view items in stock
  - Had to be fully functional
- Technologies were also simple
  - Django
    - Python 3
    - HTML/CSS
  - SQLite
  - Visual Studio Code
  - Google Chrome
  - GitKraken/GitHub
  - Ubuntu

# The Project Itself

- It was completed in the course of a week (roughly)
- A lot of that time was straightening out bugs and reading documentation
  - These came up in between steps of the project and caused long periods of no progress until the issue was fixed
- I needed a grip of some kind on Django before I could complete this project and feel comfortable with it
- This required me to go back and forth between documentation and the project more often than not


# Project Walkthrough (main page top)

GTR, Inc. - Google Chrome

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GTR, Inc. Tools Terms and Conditions Pricing



## GENERIC TOOL RENTAL, INC.

Click an image to see a description!

We are committed to customer satisfaction by providing quality products, solutions and operational excellence. We utilize a proactive, customer-centered approach and pride ourselves in "getting it right the first time". We want every customer to have full confidence in our ability to deliver. In order to fulfill our commitment to quality, we develop and recognize leaders and innovators who strive for continuous improvement, who are empowered to act, and who execute the highest standards of performance.



To add value for our customers, we conduct regular reviews of our operations to continually monitor our processes. Through ongoing training, team members are able to contribute to customer satisfaction on every level by identifying problems and developing solutions. In order to deliver the best of breed products and solutions, we choose our partners carefully and only work with industry leading manufacturers.

# Walkthrough (main page bottom)

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GTR, Inc.

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Select Tool:

Tool Name:

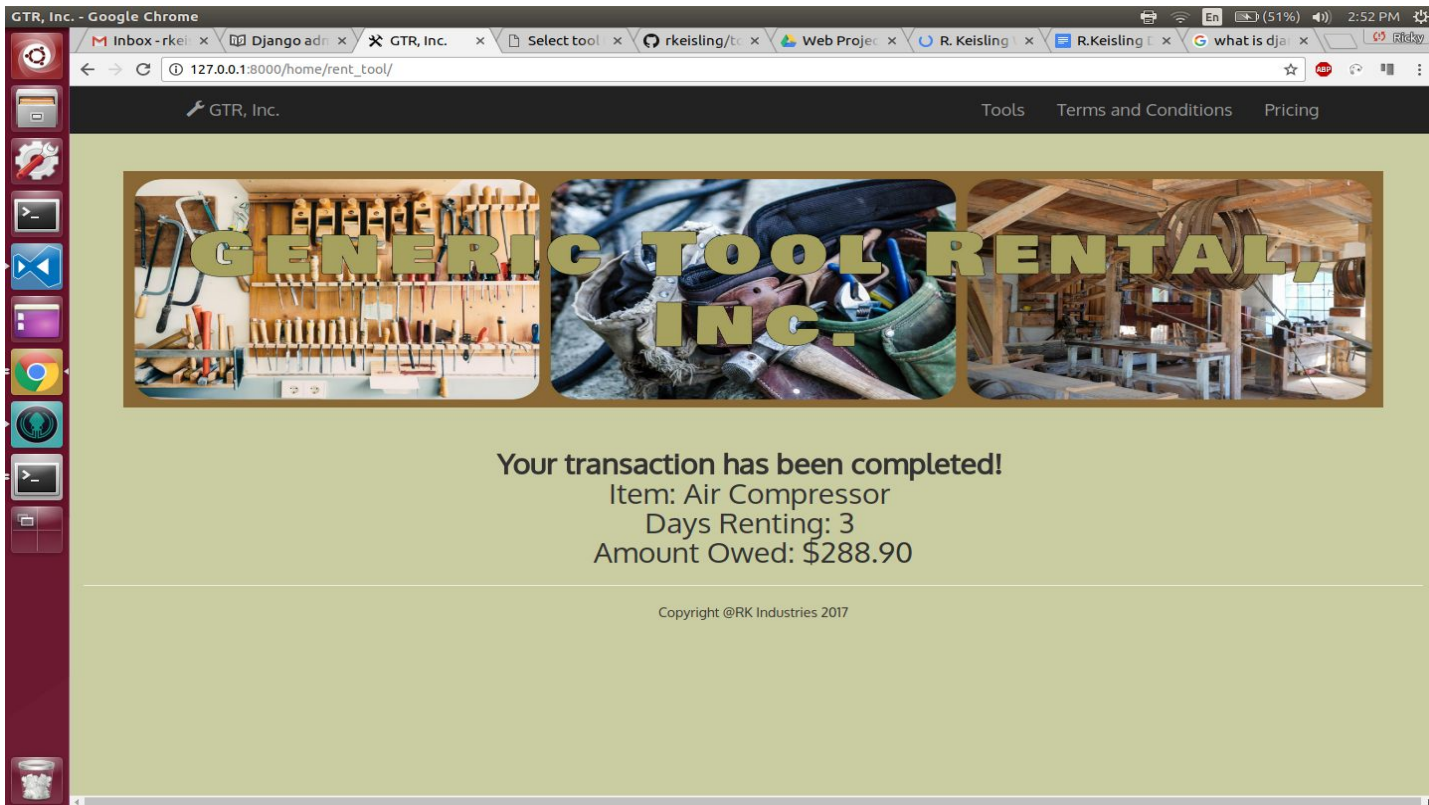
Days Renting:

Submit

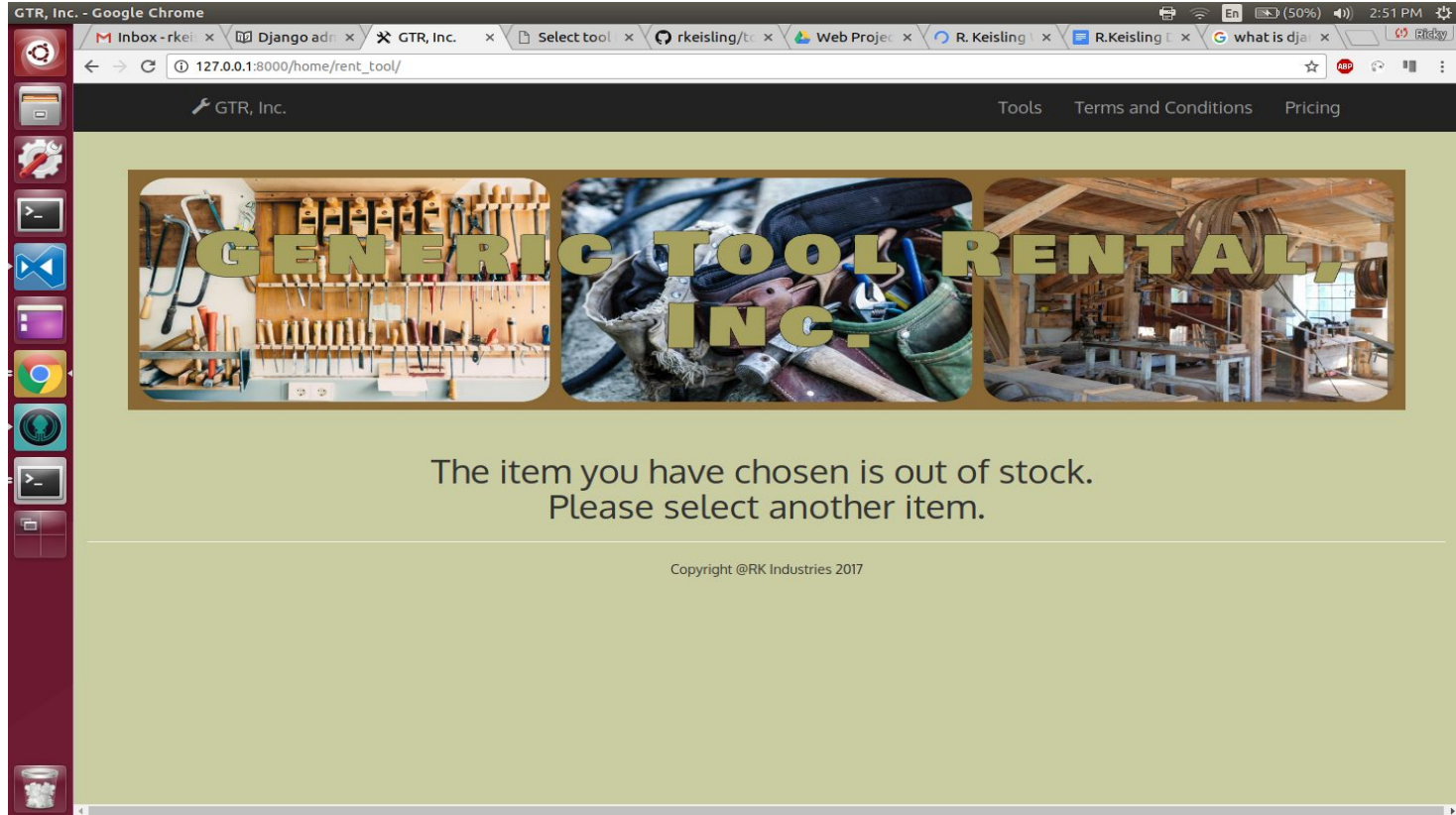
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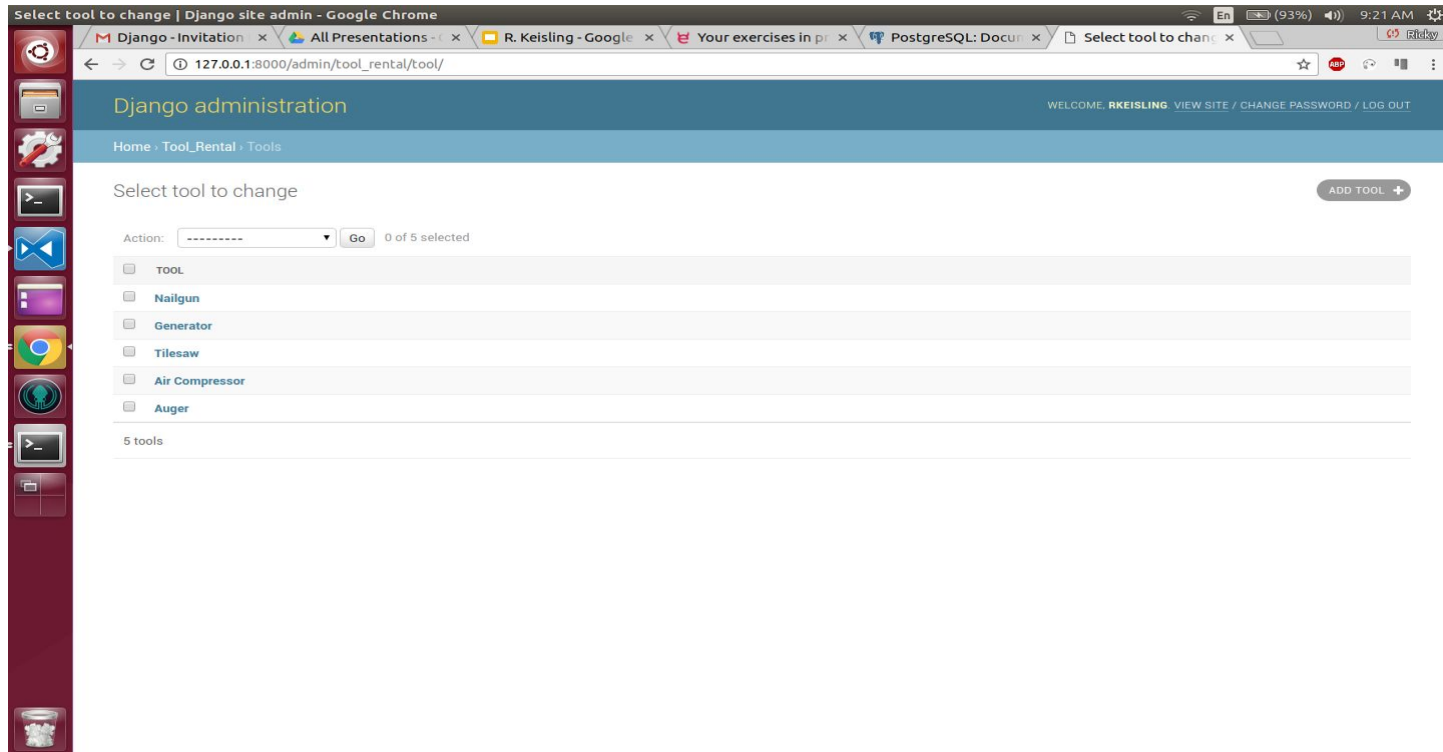
# Walkthrough (transaction complete)



# Walkthrough (transaction failed)



# Walkthrough (admin)




# Walkthrough (terms and conditions)

GTR, Inc. - Google Chrome

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GTR, Inc. Tools Terms and Conditions Pricing



## GENERIC TOOL RENTAL, INC.

These are the general terms and conditions for the rent of a tool from GTR, Inc. The renter should read and understand these in depth before renting a tool and present any questions to our public relations department.

- The rental begins as soon as the renter receives the item and ends on the renter's chosen return date.
- The rental amount is as is described on the [pricing](#) page.
- If the renter chooses to return the item after the chosen return date, he/she will pay the replacement fee of the item.
- When renting, the renter must acknowledge that the item is in good condition before he/she uses it. The renter will be held responsible for any items returned damaged or any items not returned.
- The renter must acknowledge that they have been told the replacement value of the item before using the item.
- The renter must acknowledge that use of the item may cause harm to him/her or third parties if used improperly. GTR, Inc. is not responsible for injury or loss of life caused by misuse of rented items.
- A full day of rental will be charged for a partial day's use. There are no refunds for early returns.
- The renter must present a valid ID and credit card when renting an item.


# Walkthrough (pricing)

GTR, Inc. - Google Chrome

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## GENERIC TOOL RENTAL, INC.

Tool	One Day	< One Week	> One Month
Auger	\$80/day	\$40/day	\$20/day
Nailgun	\$40/day	\$30/day	\$15/day
Tilesaw	\$60/day	\$45/day	\$30/day
Air Compressor	\$120/day	\$90/day	\$60/day
Generator	\$200/day	\$150/day	\$100/day

It doesn't make sense to pay a lot of money for a tool you may only use once or twice a year or for one specific project, leaving it to sit in your garage the remainder of the time. Sometimes you're better off renting. Here are some perks to renting tools instead of buying them:

- You always have the right tool for the right job. If you own a tool, you are tempted to use it for applications that might go faster with the tools that were designed for the job.
- Labor is the most expensive job cost, so the goal should be to make it more productive by using the right tools.
- Maintenance is an issue for people—they want



# Reflections

- Working through all the little problems helped me to understand the framework much better than before
- The project ended up pretty close to how I wanted it initially
- Most of the page content was already made, I just had to add the background processes
- Django is complicated at first, but is powerful once you get a grip on it

**Questions?**