

# MAD 1 Project Bootcamp

# Day 9

# Agenda

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- Optimizations
- Deployment
- Gunicorn
- Heroku
- Pythonanywhere
- Any VPS
- System Design

# Tentative Timeline

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- 1000 - 1100 Optimizations and Unicorn
- 1100 - 1200 Deploying on different Platforms
- 1200 - 1230 System Design and Architecture

# Resources

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[Do Not Use Int IDs in Your API](#)

[Why use nginx as Reverse Proxy?](#)

[Gunicorn](#)

[Why Gunicorn](#)

[The Justin Bieber Problem](#)

[System Design](#)

# Deployment Platforms

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Python Anywhere (Free Python Hosting)

Heroku - Paid PaaS (environment preconfigured)

VPS Providers:

Digital Ocean - easier to config, expensive

AWS - Cheaper and more robust, terse

Azure - Free Credits at start

and many others

# What next? (Technologically)

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- MAD2 Tech Stack, full stack application
- Other components such as celery for backend tasks
- redis for caching and in-memory db
- external APIs, Mail clients
- Integrating multiple tech stacks together?

# What next? (Deployment)

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To learn more about deployment, cloud and CI/CD and devops, most important prerequisite is System Commands



Thats all