

SE Deployment Workshop: *Extreme Startup*

17-313: Foundations of Software Engineering

<https://cmu-17313q.github.io>

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Fall 2025

Administrivia

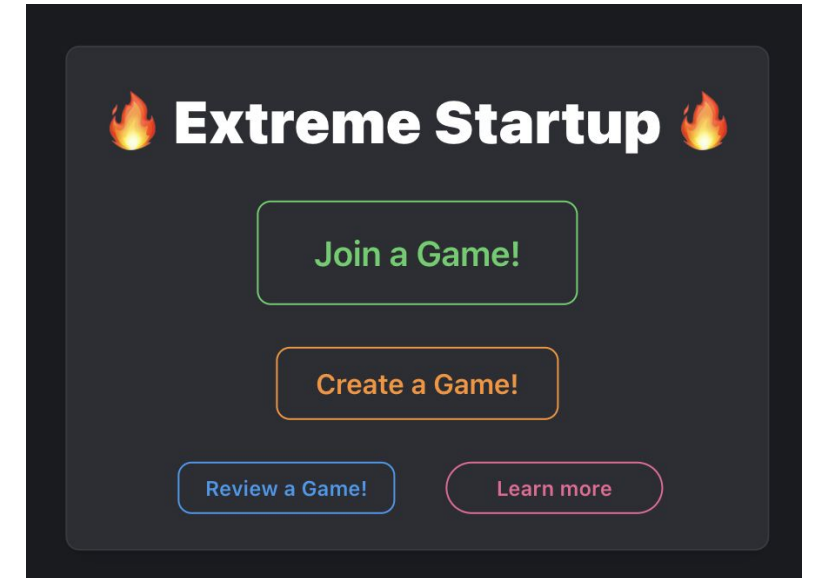
- **P3A** due tonight

Learning Goals

- Get familiar with continuous deployment
- Deal with fast-changing requirements based on user demand, which scales with success rate / user base
- Understand the value of in-house testing before deploying to production
- Differentiate between missing features and wrong behavior in a production system

Extreme Startup Game

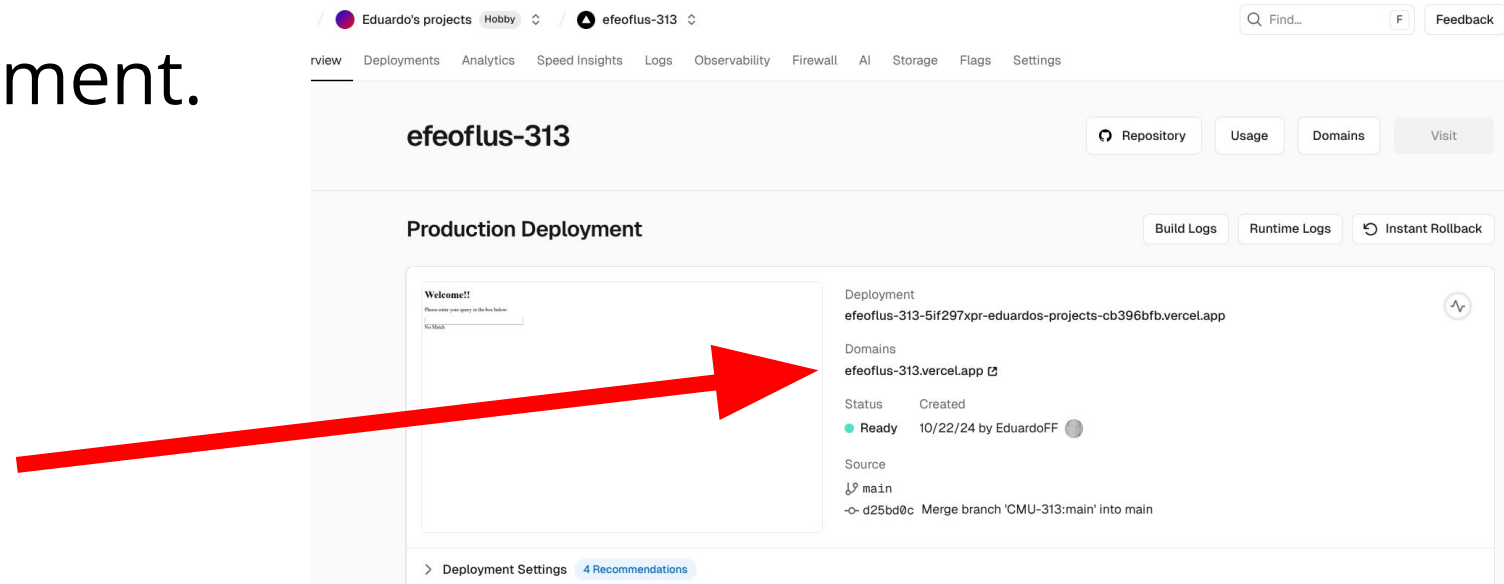
- Maintained by Robert Chatley, Matt Wynne, and Mike Sorokin (Imperial College London)
- Goal is to help students take rapid deployment to the extreme
- We will play the game, then discuss as a group



Setup Instructions:

Step 1: have vercel app running

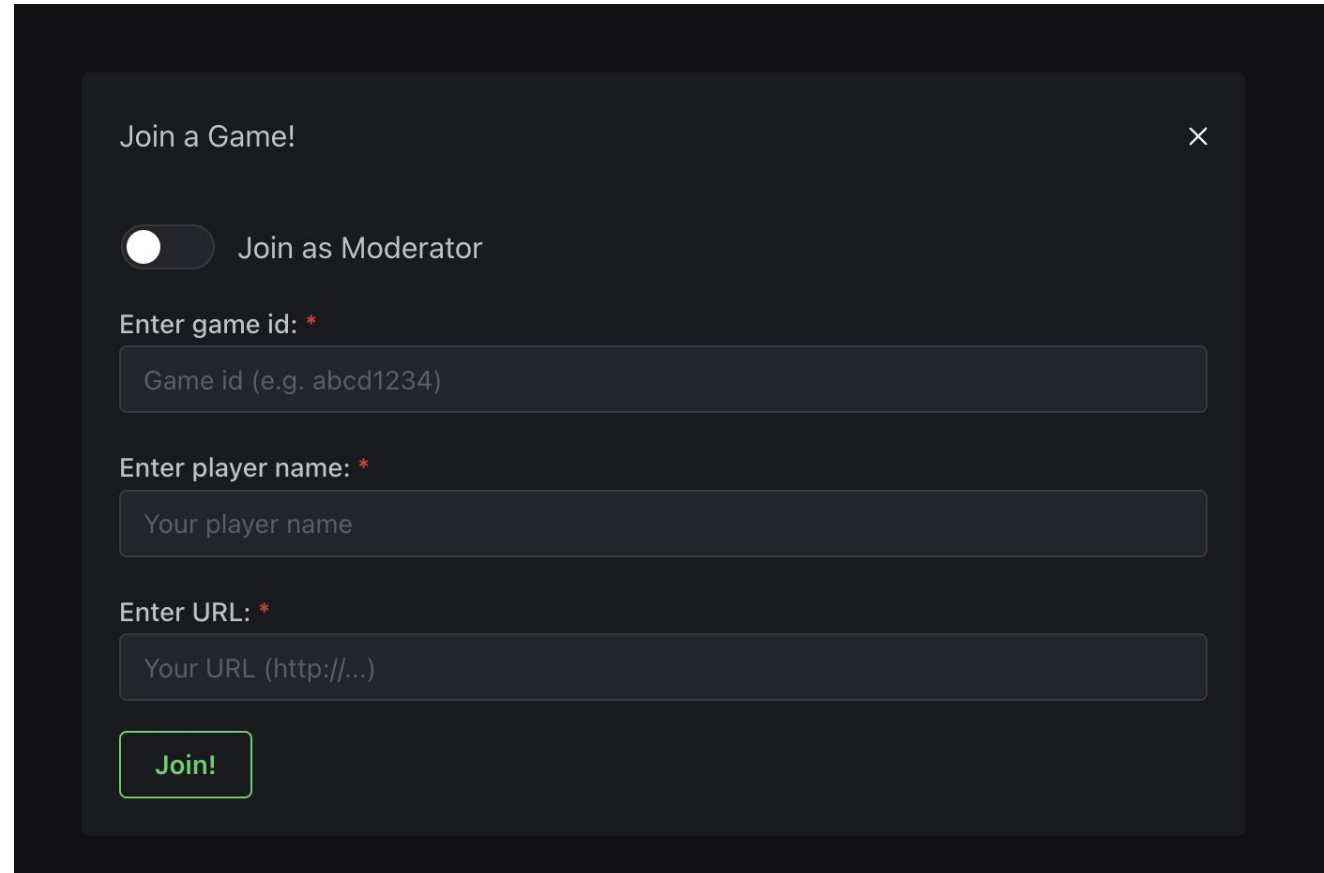
- If you have not done the activity, you will need to do this first. (See course website)
- Visit your vercel deployment. Find the URL for your deployment



Step 2: Join game

appbox.qatar.cmu.edu/extremestartup

- Click Join Game
- Game id: **e1739419**
- Player Name:
 - Remember what you put in
- URL:
 - IMPORTANT: PASTE YOUR URL BUT ADD '/api'
 - E.g.
`http://efeoflus.vercel.app/api`



The screenshot shows a dark-themed modal window titled "Join a Game!" with a close button (X) in the top right corner. Inside the modal, there is a toggle switch labeled "Join as Moderator" which is currently turned off. Below this, there are three input fields, each with a red asterisk indicating a required field: "Enter game id: *" with a placeholder "Game id (e.g. abcd1234)", "Enter player name: *" with a placeholder "Your player name", and "Enter URL: *" with a placeholder "Your URL (http://...)". At the bottom left of the modal is a green-outlined button labeled "Join!".

Player: Eduardo

Player ID

e7f34ad5

Game ID

9e13ce76

Copy Game Id

API

https://efeoflus-313.vercel.app/api

Score

120

Events

ID	Query	Points	Timestamp	Outcome
27e79d80	What is your name?	10	06:18:18	CORRECT
aa3d483a	What is your name?	10	06:18:13	CORRECT
4b260f0a	What is your name?	10	06:18:00	CORRECT



Logs

It will show the requests received by your app

▲ / Eduardo's projects Hobby / ▲ efeoflus-313

Find... F Feedback

Overview Deployments Analytics Speed Insights **Logs** Observability Firewall AI Storage Flags Settings

efeoflus-313

Repository Usage Domains Visit

Production Deployment

Build Logs Runtime Logs Instant Rollback

Welcome!!

Please enter your query in the box below:

No Match

Deployment

efeoflus-313-i5huexdtx-eduardos-projects-cb396bfb.vercel.app

Domains

efeoflus-313.vercel.app

Status	Created
Ready	26m ago by EduardoFF

Source

Takeaways

- Continuous deployment (auto-deploy on push) makes it easy to land changes in production
 - But there is always some delay in the feedback loop after your push
- Not having a feature is better than performing incorrectly
- Requirements can change quickly based on user demand
- User demand scales with success in production
- Local testing can help prevent issues in production, but testing in production might speed things up