

SE Deployment Workshop: *Extreme Startup*

17-313: Foundations of Software Engineering

<https://cmu-313.github.io>

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Spring 2026

Course Announcements

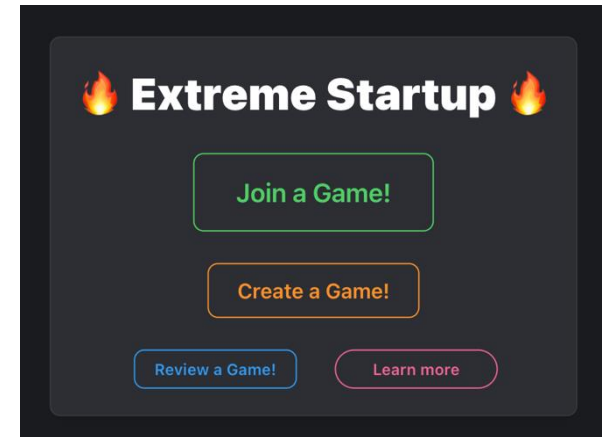
- Final Time:
 - Thursday, April 30, 2026 08:30am - 11:30am
 - Room TBD
- Midterm
 - Thursday, February 26
 - If you need a disability accommodation, please schedule with ODR immediately.
- Project 2C due ~~Thursday, February 26~~ Friday, February 27

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



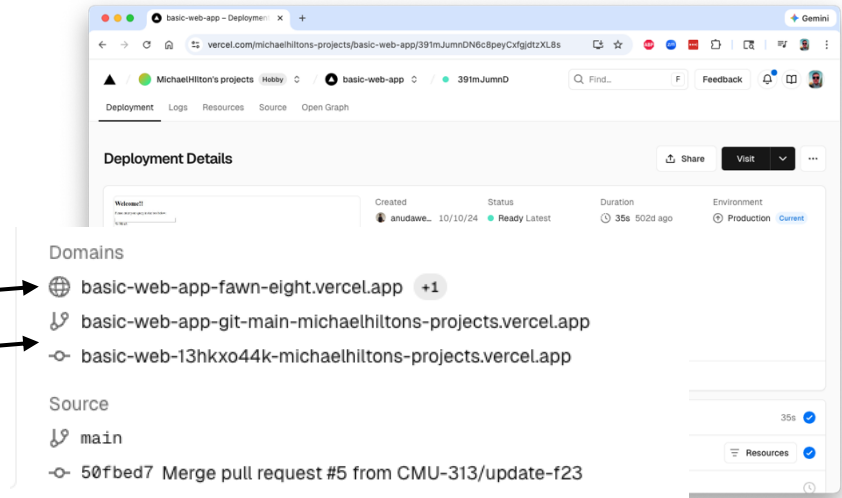
Setup Instructions:

Step 1: have vercel app running

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

Use This:

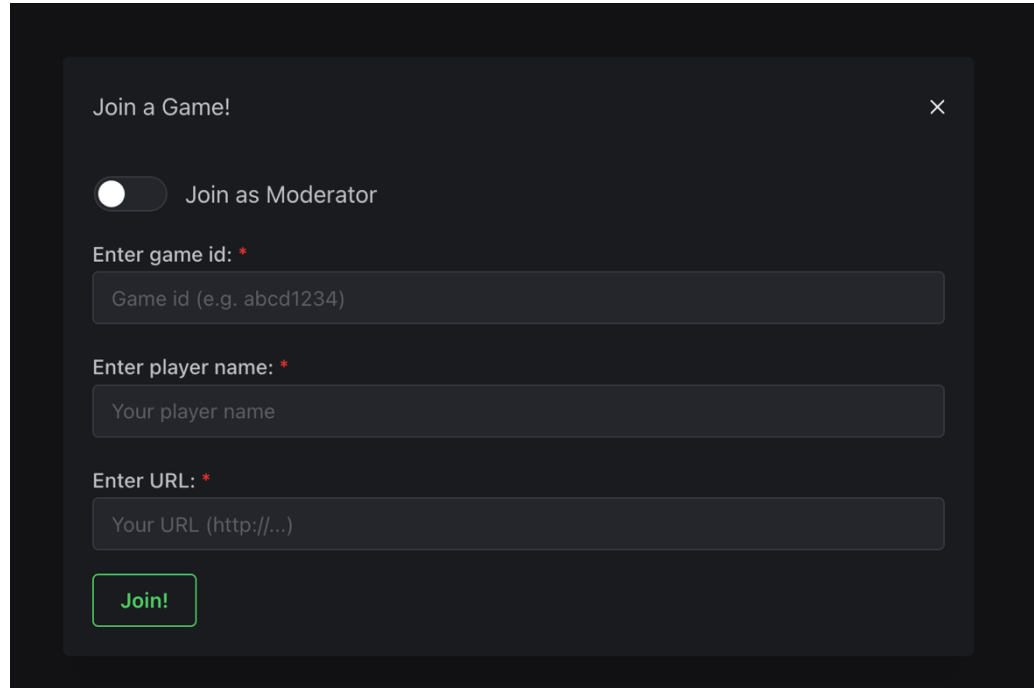
NOT these:



NOT this:

Step 2: Join game

- Game id: from board
- Player Name (AndrewID):
 - Remember what you put in
- URL:
 - **IMPORTANT:** PASTE YOUR URL BUT ADD '/API'
 - E.g.
`http://myurl.com/API`



A dark-themed dialog box titled "Join a Game!" with a close button (X) in the top right corner. It contains a toggle switch for "Join as Moderator" (currently off), and three text input fields: "Enter game id: *" (placeholder: "Game id (e.g. abcd1234)"), "Enter player name: *" (placeholder: "Your player name"), and "Enter URL: *" (placeholder: "Your URL (http://...)"). A green "Join!" button is at the bottom.

Extreme Startup

128.2.24.106/7b268e54/players/1948b7c8

Player: hilton

Player ID

1948b7c8

Game ID

7b268e54

Copy Game Id

API

https://basic-web-app-fawn-eight.vercel.app/api

Score

-100

Events

ID	Query	Points	Timestamp	Outcome
3e751752	What is your name?	-10	01:09:31	INCORRECT
813aaeff	What is your name?	-10	01:09:26	INCORRECT

vercel.com/michaelhiltons-projects/basic-web-app/logs

MichaelHilton's projects Hobby basic-web-app

Feedback Changelog Help Docs

Project Deployments Analytics Speed Insights **Logs** Observability Firewall Storage Settings

Filters

Timeline

Past 30 minutes

Contains Level

☐ Error 1

☐ Warning 0

Environment

Route

Request Path

Status Code

Resource

Request Type

Host

Request Method

Cache

Branch

Deployment

16 total logs found...

Live

Time	Status	Host	Request	Messages
FEB 24 20:09:57.42	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:52.17	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:46.79	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:41.96	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:36.93	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:31.69	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:26.37	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:21.22	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:16.08	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:10.74	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:05.41	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:09:00.26	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:08:54.91	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:08:49.57	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 20:08:43.28	GET 200	basic-web-ap...	/api	/api?q=What%20is%20your%20name%3F
FEB 24 19:59:28.61	GET 500	basic-web-ap...	/api	Node.js process exited with exit status: 1. Th

No more logs to show within selected timeline

See logs
here

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