BEGINNER · WEB APP

Split a trip's expenses and settle up in the *fewest UPI payments.*

Everyone adds what they paid. The app works out who pays whom, and shows each friend's UPI ID and the amount.

1–2	4	4
weeks to build	parts one prompt won't solve	steps, in order



NYC is taught live by engineers *who work in tech today.*

This brief is by the NYC team. These are the engineers who teach NYC's live classes.

The instructors

FULL STACK AND GENAI

Swapnil

Forward Deployed Engineer, Microsoft

IIT (ISM) Dhanbad. Works on Microsoft Teams.

DSA

Akshay

Senior Software Engineer, Atlassian

IIT Bombay. Earlier at Jio Platforms and Myntra.

DATA SCIENCE AND ML

Abhishek

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AGENTIC AI

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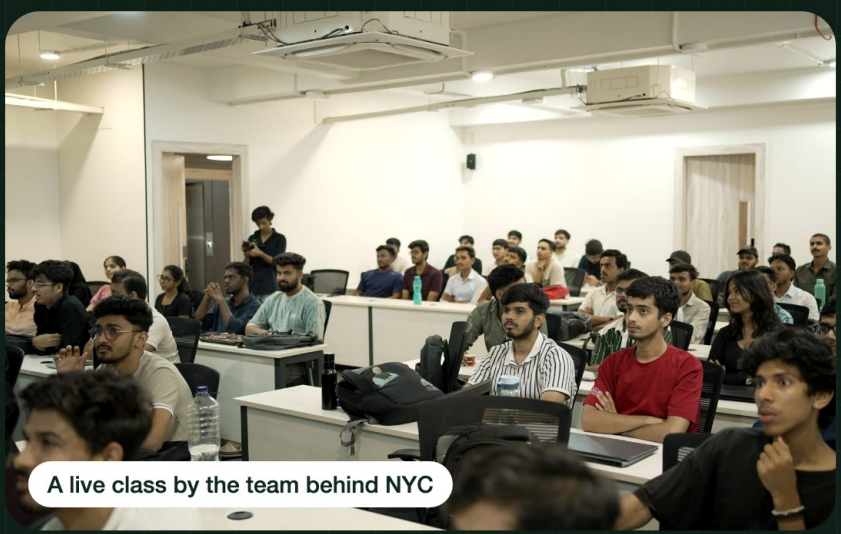
Senior Software Engineer, NTT DATA

Builds agentic AI platforms.

Instructors speak for themselves, not for their employers.

Live classes, five days a week. *Fridays are for building.*

Every NYC course is taught live by engineers, 1.5 hours a day, and engineers review every project.



A live class by the team behind NYC

Four courses

For first and second-year college students

6 months · Software Engineering + AI

4 months · Data Analytics + GenAI

6 months · Data Science & Machine Learning

8 months · AI Engineering

Where our students *work now.*

Students taught by the team behind NYC, at Sheryians Coding School. 1,200+ are placed.

HIGHEST PACKAGE



Kushagra Patidar

SDE 1, Amazon

₹47 LPA

LinkedIn ↗



Anuj Parashar

SDE, Care Health Insurance

₹22 LPA



Rishika Jain

Cisco

₹17 LPA



Mansi Patel

Airtel

₹15 LPA

BEGINNER · 1–2 WEEKS

Trip Split: *what you'll build.*

A web app for a group trip. Everyone adds what they paid for, split equally or by custom amounts. At the end it shows who owes whom with the smallest number of payments, and each payment shows the friend's UPI ID and the amount, ready to pay in any UPI app.

Test it with real people

Use it on a real outing with friends, then compare it with what everyone thinks they owe.

It must do these 4 things

1. **Create a trip and share it with a link.**
2. **Add expenses split equally or by custom amounts.**
3. **Balances that always add up to exactly zero.**
4. **A settle-up list with the UPI ID and amount for each payment.**

What you'll learn

JavaScript · Data modelling · Algorithms · Testing · UPI payments

Where one prompt *falls short.*

Use AI for any part you like. These are the parts you will still have to understand, test and fix yourself.

> “₹100 split three ways must still add up to ₹100.”

1. Money stored as decimals goes wrong: ₹100 split three ways must still add up to ₹100, not ₹99.99. You have to store paise and handle the leftover.
2. "Fewest payments" is a real algorithm question. A method that works for three people can fail for six, so test bigger groups too.
3. Several friends editing the same trip at once can overwrite each other's expenses.
4. UPI apps must refuse a payment link opened from another app when the payee is a person (NPCI rule since 1 April 2024). A "Pay" button with the amount filled in won't work.

At NYC: engineers review work like this with you in live classes, every week.

Build it in *4 steps.*

1. Model trips, people and expenses, with amounts stored in paise.
2. Write the balance and settle-up logic, and test it with 10 made-up trips.
3. Add the share link and safe editing by several people.
4. Add UPI IDs and try a ₹1 payment between two phones.

It is done when

- ✓ Every test trip balances to exactly zero.
- ✓ A six-person trip made of two groups of three, who only owe each other, settles in four payments.
- ✓ Two phones adding expenses at the same time don't lose any.

Go further

- Expenses in two currencies for a trip abroad.
- Scan a bill photo to fill in the amount.
- A summary you can share as an image.

Built it? Submit it for a mentor review

Submit at notyourcollege.com/project-ideas. An NYC mentor reviews every build; the best ones may be featured on the NYC website and YouTube channel.

This brief is by the NYC team. Tools, prices and limits change, so check each service's own docs.