CEE workshop · October 20, 2026 · Live demos

Two classroom builds in Lovable: the prompts

Copy and paste: (A) a simple interest, compound interest and credit card calculator in Berklee College of Music colors, and (B) a reusable exit ticket that lands in your inbox.

Want to follow along? Sign up with my link for 10 extra credits: lovable.dev/invite/R27A27R *(Disclosure: I'm a Lovable Ambassador; this is my referral link.)*

Which Lovable mode for each step

Step	Mode
Project knowledge (A1)	No mode: paste it into the project's Knowledge.
The first build prompt (A2, B2)	Plan mode. Read the plan, answer its questions, then approve it so it builds.
One change at a time (A3, B4)	Build mode.
Small text fixes	The preview toolbar: select the text on the page and edit it.
Something broke (A4)	Plan mode: ask it to find the cause before changing any code.
Questions about your own app	Chat mode.

PART A The Real Cost of Borrowing: an interest and credit card calculator

A1 Load the rules once: Project knowledge 1 minute

Create a new project, open its **Knowledge** and paste this. Every prompt in the project will follow it.

```
Project: "The Real Cost of Borrowing", a calculator for personal finance students at
Berklee College of Music. They are musicians; many say they are "not numbers people."
Brand: Berklee College of Music colors. Berklee Red #D81118 for main buttons and key
numbers. Charcoal #25353C for text. Pearl #F1F5F6 for the page background. White cards.
Font: Nunito Sans.
Layout: mobile-first. Large numbers that can be read from the back of a classroom on a
projector.
Money: US dollars with commas and two decimals, for example $1,280.61.
Every result: one plain-language sentence and the formula used, shown underneath.
Privacy: no login and no database. Never ask for or store names or personal data.
Math: follow the formulas in my prompts exactly. Round only for display, never during the
calculation.
```

A2 The build prompt, in Plan mode 3 minutes

Switch to **Plan mode**, paste the prompt, and read the plan Lovable proposes. Answer its questions, then approve the plan to build.

```
Plan this before writing any code, and ask me questions if anything is unclear.

WHAT: a one-page calculator called "The Real Cost of Borrowing."
WHO: my personal finance students at Berklee College of Music, on their phones and on the classroom projector.
WHY: to see how simple interest, compound interest and a credit card balance grow over time.
THE ONE THING THEY DO: type an APR and watch what a credit card balance really costs.

LAYOUT: a header with the title and a one-line subtitle, then three tabs in this order.

TAB 1, SIMPLE INTEREST. Inputs: amount ($1,000), annual rate (5%), years (3). Result card: interest and total. Formula: interest = amount × rate × years.

TAB 2, COMPOUND INTEREST. Same inputs, plus a selector for how often interest is added: yearly, monthly or daily (365). Result card: the total, and how much more it is than simple interest. Formula: total = amount × (1 + rate ÷ n)^(n × years).

TAB 3, CREDIT CARD. A large APR field is the only required input (placeholder: 24.99). Starting balance: $1,000, labeled "You put a $1,000 guitar amp on your card"; students can change it. A Start button runs a counter month by month for 24 months, assuming no payments: each month, interest = balance × APR ÷ 12, added to the balance. Show the month, the balance as a big number, and the interest added so far, updating about once per second. Buttons: Start, Pause, Reset. Under the counter, one line: "Real cards charge interest daily on your average daily balance, so the real cost is a little higher."

DESIGN: use the Berklee colors and font in Project knowledge. Clean and modern, generous spacing, white cards on Pearl, Berklee Red only for buttons and key numbers.

DO NOT: add a login, a database, ads, external links, or any feature I did not ask for.
```

A3 One change at a time, in Build mode 3 minutes

After the first build, check the math (A5). Then add one piece per prompt, saying where, what, and what not to touch.

ADD A CHART

```
On the Compound interest tab only, add a line chart under the result card that compares simple and compound growth year by year. Compound in Berklee Red, simple in Charcoal. Don’t change anything else.
```

OPTIONAL, IF THERE IS TIME: THE MINIMUM PAYMENT TRAP

```
On the Credit card tab, add a second option under the counter: "Pay only the minimum." Minimum payment = that month’s interest + 1% of the balance, at least $25. Show how many months it takes to pay off the card and the total interest paid. Keep the first counter exactly as it is.
```

A4 If something breaks, investigate first Plan mode

Go back to Plan mode instead of pressing “Try to fix” again and again. Version history can always take you back.

```
At 24.99% APR, the credit card counter shows [what you see] after 12 months, but it should be $1,280.61. Investigate why before changing any code, and explain the cause.
```

A5 Check the math before students see it 1 minute

Type these inputs after every change. The app should match within a cent.

Tab	Inputs	Expected result
Simple interest	$1,000 · 5% · 3 years	Interest $150.00 · total $1,150.00
Compound, yearly	$1,000 · 5% · 3 years	$1,157.63 (+$7.63 vs. simple)
Compound, monthly	$1,000 · 5% · 3 years	$1,161.47 (+$11.47 vs. simple)
Compound, daily	$1,000 · 5% · 3 years	$1,161.82 (+$11.82 vs. simple)
Credit card	$1,000 · 24.99% APR · month 1	$1,020.83
Credit card	$1,000 · 24.99% APR · month 12	$1,280.61 ($280.61 in interest)
Credit card	$1,000 · 24.99% APR · month 24	$1,639.95 ($639.95 in interest)
Minimum payment (optional)	$1,000 · 24.99% APR	76 months · $947.98 in interest

A6 Publish and share 1 minute

- Check the phone view and the projector, then press **Publish**.
- Share the link or its QR code. No login, so students open it and play.

PART B Exit ticket: three things I learned and one question, sent to your email

B1 Before class: connect your email once 5 minutes, one time

- Create a free account at resend.com with the email where you want the tickets.
- In Resend, open API Keys, create a key with Sending access and copy it (it is shown only once).
- In Lovable, open **Connectors → Resend → Add connection**, paste the key and press Connect.
- Without a domain of your own, Resend's test sender only delivers to the email on your Resend account. For an exit ticket that is exactly what you need.

B2 The build prompt, in Plan mode 2 minutes

Replace [YOUR EMAIL] with the address on your Resend account, paste the prompt in **Plan mode**, read the plan and approve it.

```
Plan this before writing any code, and ask me questions if anything is unclear.

WHAT: a one-page exit ticket called "Exit Ticket."
WHO: my students or workshop participants, at the end of a session, on their phones. No
login.
WHY: so I can read what each person learned and what they still wonder about, in my inbox.
THE ONE THING THEY DO: fill in the ticket and press Send.

THE FORM, in this order:
- A header with the session name and today's date. Read the session name from the link,
for example ?session=CEE-Workshop. If there is none, show "Exit ticket."
- Name or initials (optional).
- Three things I learned today: three separate text boxes, numbered 1 to 3, all required.
- One question I still have: one text box, required.
- A large Send button. While sending, disable it and show "Sending…". When it works, show
"Thank you! Your exit ticket was sent." and clear the form. If it fails, show "Something
went wrong. Please try again." and keep what they wrote.

THE EMAIL: when someone presses Send, email the ticket to me at [YOUR EMAIL] using my
Resend connection (link it to this project), sent from onboarding@resend.dev. Subject:
"Exit ticket · [session name] · [date]". Body: the name, or "Anonymous" if blank; the
three things learned; the question; and the time it was sent.

DESIGN: clean and friendly, mobile-first. Berklee Red #D81118 for the Send button,
Charcoal #25353C for text, Pearl #F1F5F6 background, a white card, Nunito Sans. Large text
boxes that are easy to type in on a phone.

DO NOT: show my email address on the page, add a login, or add any feature I did not ask
for.
```

B3 Test it, then share it 1 minute

- Publish, open the link on your phone and send yourself one ticket. Check your spam folder the first time.
- Share the link with the session name at the end, for example **your-app-link?session=CEE-Workshop**, as a link or a QR code.
- Remind students that the ticket goes to your inbox, so no private information.

B4 Reuse it every class Build mode

- Same app, new class: change only the end of the link, for example **?session=Econ-101-Week-6**, and make a new QR code. No new prompt needed.
- Change a question with one prompt in Build mode:

```
Change "One question I still have" to "One thing I will try next week." Don’t change anything else.
```

Why these prompts work

Walk the room through it: every part of the prompts maps to one prompting principle.

Principle	Where it shows up
Know what you’re building	What, who, why and the one key action open both prompts.
Map the journey	The calculator’s three tabs and the exit ticket’s form follow a fixed order.
Use Plan mode to think it through	Both first prompts run in Plan mode and invite questions.
Don’t skip the design direction	Berklee colors, font and feel, stated up front.
One component, one prompt	The first build stops at the core; the chart and the minimum payment come later, one prompt each.
Use real content	A $1,000 guitar amp, 5% for 3 years, a 24.99% APR; the exact form labels and email subject.
Speak the language of components	Tabs, result cards, fields, a selector, buttons, a counter, a form.
Location + behavior + guardrails	“On the Compound interest tab only… Don’t change anything else.”
Use your Knowledge file	Brand, privacy and math rules, loaded once for the whole project.
Be careful with names	Each tab and field keeps the same name in every prompt.
Use the right tool for the job	Plan mode to think and debug, Build mode to build, the preview toolbar to tweak.
One change, then check	The math table after every prompt; a test ticket before class.

Questions? Florencia@florenciagabriele.com · florenciagabriele.com · Free Lovable credits: lovable.dev/invite/R27A27R