



We want you to design

an awesome cloud solution

to show us who you are as an architect

Our Manifesto

We are  **zilch**

And we believe in the power of now.

We are darers, dreamers and doers.

Born to challenge complicated finance.

Championing you and the brands you love.

All so you can shop the way you've always wanted.

No interest, no fees, no debt, no stress.

We want you to have what you want, when you want.

Because life doesn't wait, so why should you?

What we want you to do...

Provide a high-level design to use Zilch with Apple Pay or Google Pay

- Use technology/design/architecture that you're passionate about
- We are not asking you to design what our system does currently, but what you would imagine our system could do
- To keep things simple, you only need to focus on high-level components and flows
- A single, well thought out diagram will do!
- A design that you will be proud to show us and discuss and demonstrates who you are as a cloud solution architect

The business problem

- Zilch provides customers with a virtual MasterCard to shop online anywhere that MasterCard is accepted
- We collect repayments via a debit card linked to the customer's account
- To support offline (in store) purchases, we want your solution to focus on contactless payments (Apple Pay or Google Pay)
- Everything else is up to you (but we have some ideas further down if you're stumped!)

Some ideas to get those juices flowing ...

- You may want to look into digital wallets
- To keep your solution high-level, you may want to focus on the back end APIs
- How would you implement separation of concerns using cloud microservices?
- How would your solution interact with caching and persistent data stores?
- Would you divide your solution into external and internal APIs using secured zones?
- How would your low-latency solution scale in the cloud to support high volumes of user transactions?