<u>Some Project Ideas</u>

Web3 Zapier
Automating your workflows for web3 use cases

Whale Alert
Placing trades on some tokens if you see an alert from some big X profiles or if you see that a famous address has moved funds to another wallet - try projecting what's going to happen?

Liquidating an NFT/bonds to a token

NFT viewing a gallery - 3d?
Cornell mascot as a 3d NFT - Interesting as we can create our own ecosystem at Cornell Campus

RPC Aggregator - minimal latency (Alchemy and Helius)
RPC (Remote Procedure calls) are these nodes that let you talk to the blockchain and be able to call these functions as soon as there is some change in the blockchain/or based on some rule.

Wallet Adapter for web based wallet (wallet as a service?)
Can we see a wallet that lets you convert your USDC to BRBs? Interesting for creating an ecosystem of Cornell Blockchain apps and integrating them with this.
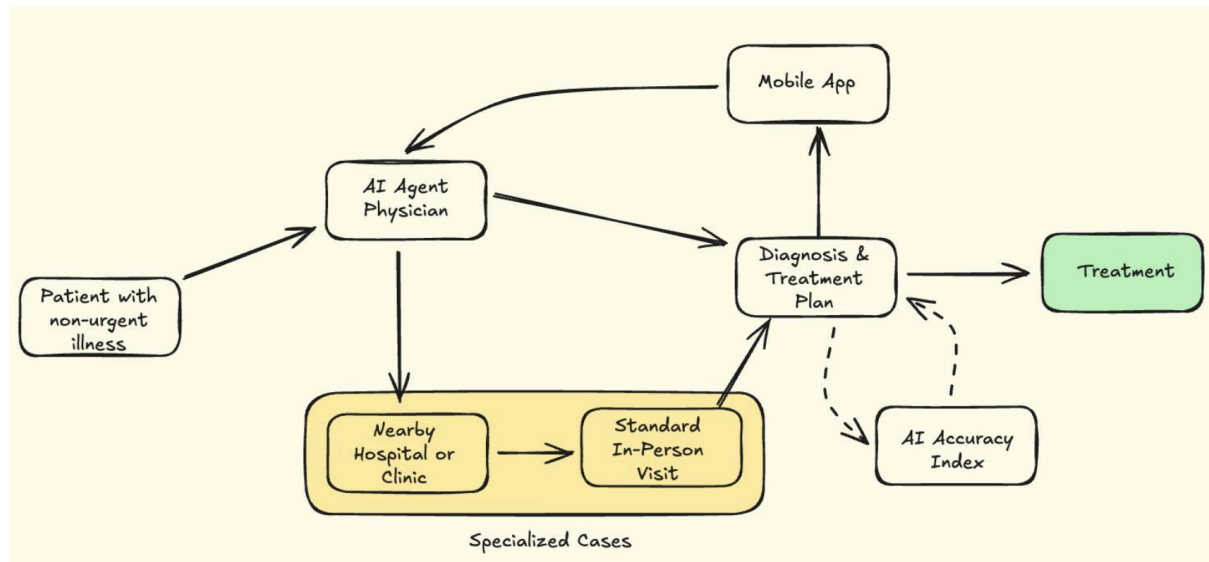
YouTube channel opinions market - creator can come and collect royalties on their account
We already have a github repo for this. Let me know if you are interested in working on this.

<u>Deliverables</u>

3 page design doc with **problems**, **insights**, and **solutions**. Problems, insights must be one liners, and the solution that you're proposing with your dApp can be 2 sentences. Mention your project name, team members on the top of the page.

It must include your implementation strategy (code structure/division) with some sort of flowchart like this.

On-chain component and Off-chain component: You will have to make this important decision of what part of your code needs to hold on-chain logic along with off-chain logic. As you don't want to do expensive computations on-chain, which will give you insane gas fees.

Web App/Mobile App + Smart Contract: Are you interested in building the web app for your product or a mobile app? Include what programming languages you will be using or are interested in learning.

If you're building on Ethereum, you will be using Solidity. If you're interested in building a Solana dApp, then you will be using Rust.

A paragraph on the business model of your project, and what's the target audience. It cannot be too broad, needs to be specific. If you have any fun/interesting that may not have commercialization, it's fine to have that!

A tentative timeline for your project starting from 7th April to 28th April. You will have 3 weeks to work on it, and I'll check on each team every week with what their progress is. So, try to come up with a plan like how you will execute the plan, who's going to be responsible for different parts of your project, and plans for each week.

<u>Deadline</u>: 28th March 11:59 PM. Ask me any questions you have, happy to answer all of them! I would recommend you to start early, so you can finish this design doc! Only one of the team members needs to submit the design doc! If you don't have a team, send me a message asap!

PS: You're allowed to use ChatGPT , but only for improving what you have written and ideation, and mention how you used GPT for your project. It's not hard to tell if you use ChatGPT the whole thing, so try to work on this part, as it will only help you learn the content!
Resources:

Finding that next idea?
https://build.superteam.fun/ideas
https://www.producthunt.com/

Understanding blockchain at core level
https://animagraffs.com/how-cryptocurrency-works/
Try playing around with this https://andersbrownworth.com/blockchain/