COSC 490 Project Outline - Team 2

Members:

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Project Name: Notex

Project Overview:
Notex is a blockchain-based platform for university students to exchange their notes and peer-review papers for various courses. This platform will implement an ownership system where all notes that you upload to the system will be tied to your account, which can be verified. Uploading notes to the website will give you an amount of Notex coins, which you can use to buy notes from other students on the platform. There will also be a penalty system where if a user uploads something inappropriate and violates academic integrity, they will lose a number of Notex coins. This system facilitates fair collaboration and student enrichment through shared resources and higher availability of information.

Project Requirements:

- **Website:**
  We'll develop a website that would serve as the entry-point into our database of notes. Users will be able to signup/login then access lists of courses which they can then use to navigate to their peers' notes.
- **Validation system**:
  Notes submitted to our database will be placed "Under review" until they are verified by a previous taker of the course with a passing average.
- **Contribution system:**
  Students who contribute positively to this space will receive an amount of our Notex coin that would allow them to access more notes. Students who try to scam others or contribute with "notes" that are not valid will be flagged and put under review. If the user fails to explain their case will have a certain number of Notex coins withdrawn or a ban based on the severity.
- **FT Coin (Notex):**
  New users will be given a certain number of FT Coins that can be used to see a couple of answers. After which, they are required to upload their own notes in order to get more coins.
- **Smart contract:**
  Users can purchase and own the notes in their wallet using the smart contracts available through our platform. The same can be used to ensure a fair peer-review process.

Expected Tech Stack:
HTML, CSS, JavaScript, and Solidity (subject to change)