**List ideas here (can be anything)**

* AllergySnap
  + Take picture of a product’s QR code/barcode
  + Strip data for different medications from online to allow users to search for medications to add
  + Analyze ingredients (text recognition)and match personal needs
  + Google vision api

Further discussion

allergy detection

1. user create their allergy list
2. scan barcode, QRcode, manual addition + image recognition
3. validate whether it’s okay to eat

eric

1. tennis error tracker
   1. M/L (Vision Recognition) : Object detection, ball tracking
   2. Links
      1. <https://www.pyimagesearch.com/2015/09/14/ball-tracking-with-opencv/>
      2. <https://www.pyimagesearch.com/2018/08/06/tracking-multiple-objects-with-opencv/>
2. tennis player pose sync checker
   1. M/L (Vision Recognition) : human pose detection
   2. Links
      1. <https://medium.com/@samim/human-pose-detection-51268e95ddc2>
3. virtual wardrobe

using webcrawling/parsing of receipts

mobile app

* poop health diagnoser/analyzer
  + this is wild idea
  + mobile app that one can take their poop photo and get health condition check by the shape/condition of one’s poop
  + Links
    - <http://www.stoolanalyzer.com/select/shape>
    - <https://www.continence.org.au/pages/bristol-stool-chart.html>
* Facebook wallpost sharing (no write access)
  + one and one’s friend make agreement to exchange their wall post to be shown in their account. (i sometimes get very curious what other people’s wall post / contents would look like)

Han

* AllergySnap
  + Take picture of a product’s QR code/barcode
  + Strip data for different medications from online to allow users to search for medications to add
  + Analyze ingredients (text recognition)and match personal needs
  + Google vision api
* Receipt log
  + Track personal spending by take snapshots of recipes
  + Using location, computer vision, brand recognition to categorize spending and make graphs and shit to recommend you how to save money maybe?
* PurdueTrade
  + Trading platform app for Purdue students to trade their used products, furniture, cars etc
  + Subleasing, parking passes, essay writer(illegal lol), anything that remotely need interaction between students. Could’ve be reddit style, I’m not sure yet
  + More functionality and features are in my mine, but the premise of thisidea could be nothing/too easy to make
* City skyline rating/collecting app/web app
  + More of a personal thing, I like skylines
  + Take snaps of skyline, share, and rate others
  + SQL and maybe Google vision too becuz it can recognize landmarks
* Some kind of game could be fun too
  + Or maybe make a visual game to inspire little kids to learn programming
  + Drag-and-drop-style code
  + AND WRITE A COMPILER FOR THAT ( im just kidding, we dont need compiler)

Tomasz

1. Selected Price Tracker App:
   1. Input a QR code, link, price tag that tracks the price of an item.
   2. Sends a notification if the price drops or user can select when to be notified.
2. AI Dietician
   1. Tracks the food you intake and recommends foods you might already have to eat if missing a certain nutritional necessity.
   2. Can be used for weight loss or weight gain or just staying healthy.
3. Face Recognition Media Player
   1. Just a fun way to skip through songs or add to playlists.

Ashwin

* Cross platform music streaming web app
  + Link accounts to program by logging in
  + Search for a song and find it across multiple streaming platforms
  + Add songs to libraries/playlists for corresponding streaming platforms
  + Create cross-platform playlists on web app that can exclusively listened on our program

ERic

* Highlight maker
  + take full game of sport and make the highlight film

Eric’s top 3 (just want to do some M/L project)

1. AllergySnap
2. highlight maker
3. AI Dietician

Tomasz’s Top 3

1. AllergySnap
2. AI Dietician
3. Cross Platform Streaming