Team 3: BlackMirror Brainstorm Notes

Ideas people proposed and what problem it solves /purpose it has

At least 10 ideas!

1. Live AR for sports proposed by Nour **K N**
2. Live AR Shopping proposed by Kevin
3. Live Train Chess/Poker/BlackJack AR proposed by Zage **N Z**
4. Live personal trainer/fitness trainer proposed by Mariya
5. Live whiteboarding VR for elementary school and/or meetings by Kevin
6. Visualizing math/chemistry/anatomy through AR/VR by Kevin
7. AR Stencils for drawing by Zage
8. AR/VR Piano lessons
9. Facial recognition or networking identification AR by Zage **Z K M**
10. Live directions for airports/outdoors through AR by group
11. Grocery store food allergen identification through AR by group **M K Z**
12. VR experience for children with fear of injections by Nour **M N**

Second round:
13. **Live AR for sports proposed by Nour K1 N3**
14. **Live Train Chess/Poker/BlackJack AR proposed by Zage N1 Z2**
15. **Facial recognition or networking identification AR by Zage Z1 K3 M1**
16. Grocery store food allergen identification through AR by group **M3 K2 Z3**
17. VR experience for children with fear of injections by Nour **M2 N2**

Choose 3 most promising ideas

Idea	Who's on the team interested in doing it	Feasibility/too easy/too hard. Explain.	Anticipated Challenges
AR Networking identification	Zage, Mariya, Kevin	Given we have a pre-recognizable card (for instance a UW Id) and we create a database that links names to linkedin's this would be feasible.	Using Computer Vision to recognize the "Card" that identifies the individual.
Live Train Chess/Poker/BlackJack AR	Nour, Zage	Using either computer vision to identify cards/board, providing an AR experience to enhance gameplay and "train" using calculations would be feasible.	Using computer vision to identify the board, cards, and next "best moves"
Live AR for sports	Nour, Kevin	Statistics enhancement for sports like golf, billiards, etc.	Would need to do some type of CV/physics if we want to do like shot simulation or showing angles of a billiards game

Consensus

Chosen idea:
AR Networking Identification

What is the minimal viable product (MVP):
Looking for an ID (or a card that identifies a person with a QR code), link that card to their linkedin/a profile and display basic data about that person.

What is the advances version of this idea:

Allow for the user to interact with the displayed profile (scroll, click, etc.) as well as connect with the individual on linkedin. Perhaps we could also filter profile data based on what the user is looking for in people.

Sequence of tasks todo to make the MVP work:
1. Create database that associates name with linkedin profile
2. Learn how to make a QR code from the name/profile of each person
3. Research how nametag tracking/qr code tracking works in AR.
4. Create an AR that can identify the QR codes and correctly grab profile data
5. Then work on parsing profile data and displaying it (start with displaying super super basic info: name & job)
6. Adding interactive visualization and UI for interaction with information