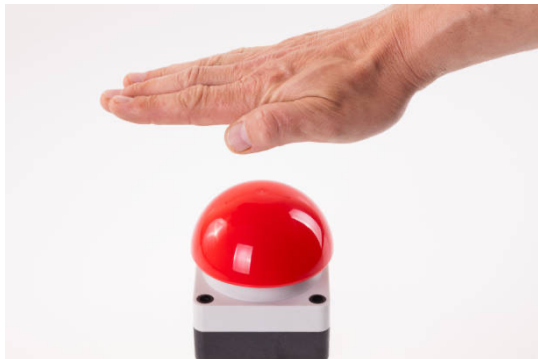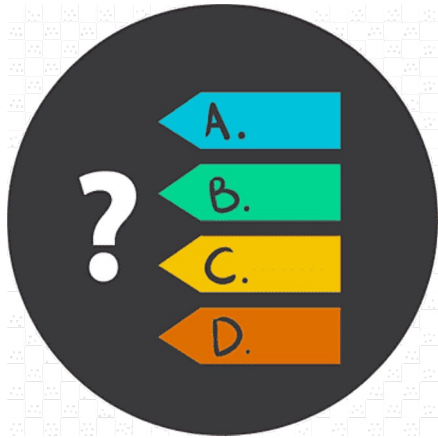# Quiz game

- Play a quiz game with your friends using a tablet and smartwatches

- Use the smartwatch as a buzzer to answer the questions

- Create and share your own questions

TA: Rafael Medina Morillas – rafael.medinamorillas@epfl.ch

Music Player

- Create your own app to reproduce audio files

- Create playlists and share them with your friends

- Control music with your smartwatch

TA: Rafael Medina Morillas – rafael.medinamorillas@epfl.ch

Theremin App

- Play a theremin-like instrument:

  Control the pitch and volume of the sound with your hands

- Two watches register the movement

- The smartphone translates the signals into sound

- Record your melodies

TA: Rafael Medina Morillas – rafael.medinamorillas@epfl.ch

Synthesizer App

- Create your own sounds and play melodies with them

- Your smartwatch also contributes to the music!

- Record your melodies

- Sample sounds

TA: Rafael Medina Morillas – rafael.medinamorillas@epfl.ch

Fitness Drone

- Transform your drone
  into a fitness companion
  for outdoor activities.

- The drone follows your movements
  autonomously
  and carries essential items.

- Capture photos and videos
  of your workout.

TA: Hossein Taji– hossein.taji@epfl.ch

Dronie

- Capture stunning aerial selfies with a drone that autonomously adjusts for the perfect shot.

- Customize settings and view live feeds to ensure the best angles.

TA: Hossein Taji– hossein.taji@epfl.ch

Aerial Gesture Maestro

- Command a drone
  through intuitive hand gestures
  to create breathtaking
  aerial performances.

- Ideal for live shows
  and creative events.

TA: Hossein Taji– hossein.taji@epfl.ch

Learning Assistant

Interactive mobile application that help students and teachers

- Teacher can upload, updating, and deleting videos of lectures and presentation slides.

- Students can post queries, initiate discussions, and share insights.

- Students can rate and review the content, allowing for continuous improvement.

TA: Qunyou Liu – qunyou.liu@epfl.ch

Project Manager

- Users can create a projects and add other collaborators.

- Each project has several task, shared with collaborators, with deadlines.

- In each task, collaborators can write, put documents (upload files), and mention each other.

- Smartwatch notifications

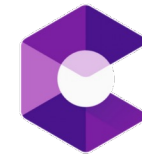TA: Qunyou Liu – qunyou.liu@epfl.ch

Cycling Companion

- Enhances the group cycling experience
by providing real-time location tracking of group members

- Use maps to display a live map

- Mark each group member's location
in real-time using distinct markers/icons

- In-app messaging for group members

TA: Qunyou Liu – qunyou.liu@epfl.ch
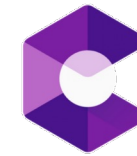
AR-BaloonMania

- Build a shared Augmented Reality space, placing balloons above each player's desk

- Win points by stealthily targeting other player's AR balloons with your AR laser

- Use your smartwatch to activate your AR deflector and protect your target

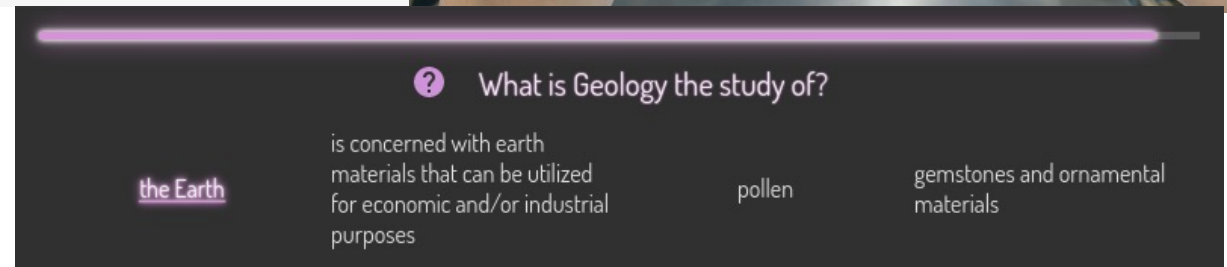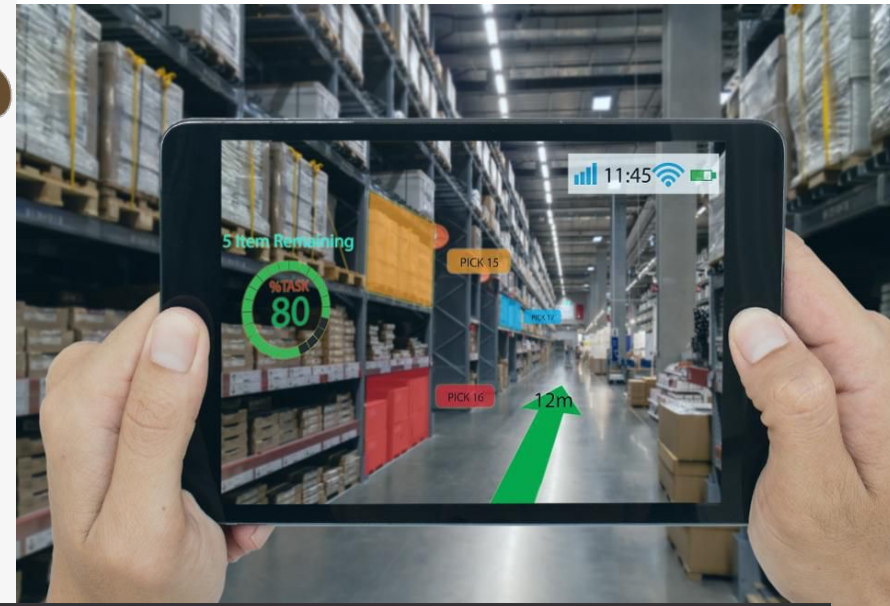TA: Christodoulos Kechris – christodoulos.kechris@epfl.ch

AR Scavenger Hunt

- Find clues in AR

- Solve quizzes

- Unlock next clue path

- Send alerts to your team

What is Geology the study of?

the Earth | is concerned with earth materials that can be utilized for economic and/or industrial purposes | pollen | gemstones and ornamental materials

TA: Christodoulos Kechris – christodoulos.kechris@epfl.ch
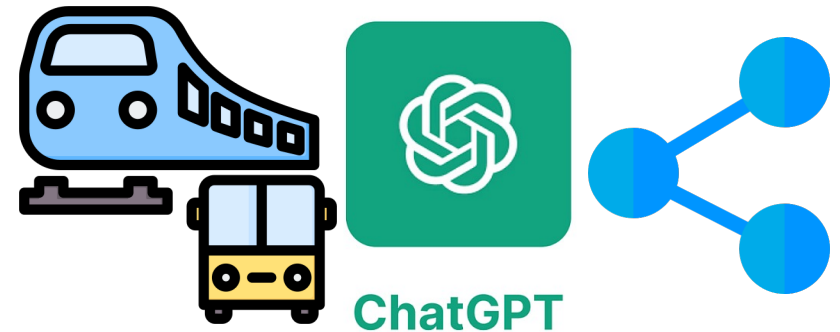
Gesture Genius

- **Memorize & Mimic:** Use your phone

  to see gestures and your smartwatch for timing

- **Deep Learning:** Smartwatch shows real-time

  feedback based on gesture accuracy

- **Visual & Vibration Cues:** Countdowns and alerts

  on the smartwatch guide you

TA: Christodoulos Kechris – christodoulos.kechris@epfl.ch

ChatVoyage

- Set up your personalized travel plans, using real-time **Swiss public transport** data

- Enable **ChatGPT** for more intelligent and context-aware travel discussions and suggestions

- Manage **group gatherings** and share optimized travel routes with friends through the app.

ChatGPT

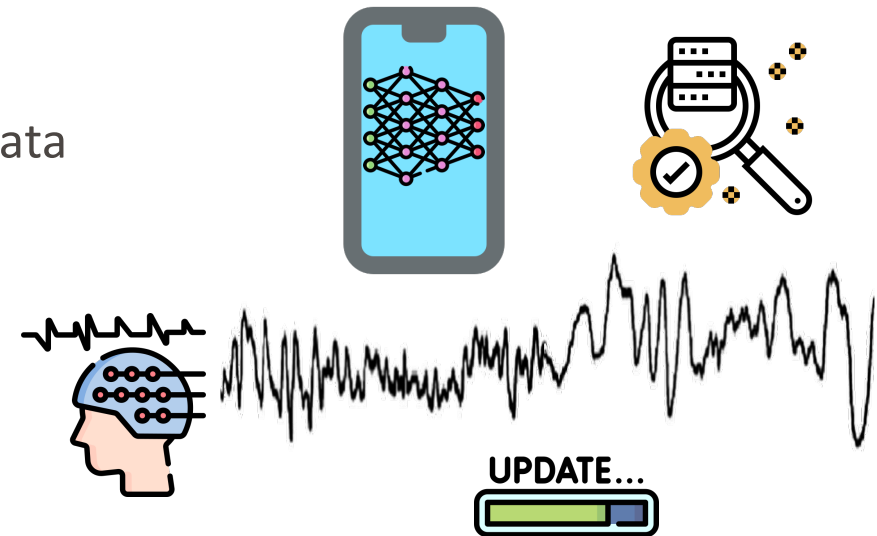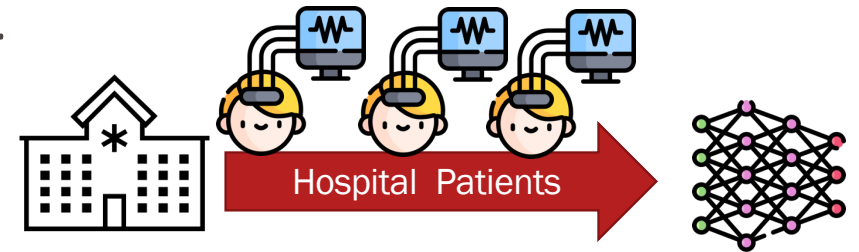TA: Amirhossein Shahbazinia – amirhossein.shahbazinia@epfl.ch

SeizureGuard:

Analise EEG data to detect seizures using AI model.

- **Adaptive Monitoring:** Continuously learns and adapts to individual seizure patterns

- **Personalized Detection:** Provides real-time, personalized seizure warnings based on evolving data

- **Integration with wearables:** Syncs with sensors for immediate seizure detection and alerts.

TA: Amirhossein Shahbazinia –amirhossein.shahbazinia@epfl.ch

Token exchange network

- A custom crypto token transaction network

- Send and receive tokens

- Check balance

- Smartphone application:
  - Send token (using address or NFC)
  - Receive token (using address or NFC)
  - Check balance of anyone

- Smartwatch application:
  - Confirm transaction
  - Visualize balance after transaction
  - BONUS: secure signature on smartwatch

TA: Yuxuan Wang– yuxuan.wang@epfl.ch

Certifications for in-person events

- **Hangout:** post an activity proposal, and see if the community reply.

- **Safe space:** Verify a user to be safe through ticket transaction.

- **Vibe:** mint and receive tickets when participating to events or hosting activities!

TA: Yuxuan Wang– yuxuan.wang@epfl.ch

Get home safe, friend !

- **Be safe:** Share with friends and groups relevant informations when traveling alone: current position, predicted route, time of arrival, etc.

- **I'm home!:** Send a notification to your contacts that you arrived at destination

- **Still there?:** When having delays on your travel, either ping your contact or start a call with them

TA: Yuxuan Wang– yuxuan.wang@epfl.ch