

Work Division

Progress so far:

Client:

- Basic web application - Aviehu
- Sample WebCam – Aviehu
- Research pose detection libraries – Itay, Hila
- Setup the MediaPipe model - Itay
- Display 2D skeleton on the user's video – Aviehu
- Implement pose detection– Hila, Itay
- Fps counter – Batya
- Calculate angles – Batya & Hila
- Calculate lengths - Batya & Hila
- Decide on JSON format for 3D skeleton - Itay
- Websocket communications - Batya & Hila
- Design and implementation of GUI - Batya & Hila
- Optimizations to pose detection – Aviehu
- Implement API controller - Hila
- Deploy to cloud – Aviehu
- Write unit testing – Hila, Batya
- Implement Pose matching for session – Batya, Itay

Server:

- Basic server – Aviehu
- Save recording as json file for testing – Aviehu, Batya
- Display 3D skeleton – Aviehu, Batya, Hila, Itay
- Websocket communications - Aviehu, Itay
- Displaying additional info on the 3D skeleton – Aviehu, Batya, Hila, Itay
- Implement API - Itay
- Setup DB - Itay
- Deploy to cloud - Aviehu
- Write unit testing – Itay
- Write load testing - Itay