

# 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 App-bar and Sidebar - Aviehu
- Implement Pose matching for session – Batya, Itay
- Implement Progress page using charts – Hila, Itay
- Implement Users page – Batya
- Implement Messages functionality – Hila

### Server:

- Basic server – Aviehu
- Display 3D skeleton – Aviehu, Batya, Hila, Itay
- Websocket communications - Aviehu, Itay
- Implement API - Itay
- Setup DB – Itay
- Create DataBase controller – Itay
- Create Routes - Aviehu
- Implement Users collection – Batya
- Implement Session collection – Aviehu
- Implement Pose collection – Aviehu
- Implement Score collection – Itay
- Implement Message collection - Hila
- Deploy to cloud - Aviehu
- Write unit testing – Itay
- Write load testing - Itay