

Racket Project

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Motivation

- Tennis learning assistance
- Personal trainer capabilities
- Fast learning feedback
- Qualitative feedback like from experts

Plan A

- Real time racket motion tracking
- Real time communication with the server
- Swing motion detection
- Optimal swing motion fit parameters definition
- Real time user visual feedback
- Real time qualitative comparison

Plan B

- Offline racket motion tracking
- Real time communication with the server
- Swing motion detection
- Optimal swing motion fit parameters definition
- No real time user visual feedback
- Offline qualitative comparison

Plan C

- **Offline** racket motion tracking
- Real time communication with the server
- **Quasi** swing motion detection (**can't recognize the curve**)
- Optimal swing motion fit parameters definition
- **RAW data as feedback**
- **No** qualitative comparison

Working Schedule

- 1. Week: Set up and get familiar with development environment (Android IDE and so on)
- 2. Week: Connection of interfaces (smartWatch to Server connection)
- 3. Week: RAW data analysis
- 4. - 5. Week: Algorithm development
- 6. Week: Smart watch and server side app development
- 7. Week: Testing and deployment