

Mobile Sports

- Github: <https://github.com/EvaJobst/MobileSports>
- Team: Eva Jobst & Stefan Schwaighofer

Work Distribution

Assignment	Eva	Stefan
App with server and step detection	X	X
Heart-rate-related extensions	X	
Calculation of energy expenditure from heart-rate		X
Respiration rate from HRV data		X
Calculation of fitness, fatigue, performance	X	
Step detection method by Jimenez		X
ConnectIQ app		X
Activity classification		X
Design	X	
Documentation	X	

Assignments

Assignment	MOSProject	Mountaineer	Matlab	Other*
App with server and step detection		X		

Heart-rate-related extensions	X	X		
Calculation of energy expenditure from heart-rate	X	X		
Respiration rate from HRV data			X	
Calculation of fitness, fatigue, performance	X			
Step detection method by Jimenez			X	
Equivalent pace; SRTM-corrected altitude or barometric pressure				
ConnectIQ app				X
Prediction of finishing times				
Activity classification				X

* Activity classification: Realized with Weka; ConnectIQ app: Realized for Garmin

Locations

- [MOSProject](#)
- [Mountaineer](#)

- Website
- Matlab
- Weka
- Garmin