Requirements Specification
GoPro Trails
Images and Graphics, Project Course CDIO
TSBB11

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1 Requirements

Table 1 shows the requirements. The requirements with priority 1 must be fulfilled while those with priority 2 will be fulfilled if there is time available.

Table 1: Requirements.

Requirement #	Functionality	Priority
1	Investigate and if needed correct the transformation between image and intertial measurements	1
2	Verify the intrinsic camera calibration, and if needed recalibrate the camera	1
3	Extract inertial data stream from GoPro format	1
4	Extract GPS data stream from GoPro format	1
5	Feed data streams into Kontiki	1
6	Georeference the SfM solution into a map service	1
7	Visualize SfM trajectories in a map service	1
8	Visualize GPS trajectories in a map service	1
9	Create a website	1
10	Create command line interface to the program	1
11	Create a user manual	1
12	Write technical documentation	1
13	Create a video	1
14	Create dense correspondences	2
15	Apply meshing to the dense 3D point cloud	2
16	Create graphical user interface application	2