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# Task Matrix (Milestone 5)

Task	Completion	To Do	Tyler	Vincent	Jean-Pierre	Charles
Client Hardwar e Interacti on	0%	Return hardware status, figure out where the camera is located and the orientation (gps and starmap), humidity sensors, water sensors (warning email)	50%	0%	25%	25%
Orbit, trajector y, velocity, mass (of bolide)	50%	Determine angle of view and figure out how to undistort image	0%	0%	20%	80%
Client connecti vity logic	95%	Hostname issues (hostname "not working" when on hotspot), event sending to void, hotspot password	10%	0%	20%	70%

## cont.

Poster <del>and</del> <del>e-book</del>	75%	Add actual data into skeleton, polish requirements, refactor code, clean everything	25%	25%	25%	25%
Finish UI	90%	Adjustments req'd by researchers, API integration	20%	80%	0%	0%
Server and client testing	50%	Integration tests (leaving it outside for a long period of time and just making sure the system works)	40%	30%	20%	10%
Video capturing and storage, move event detection to node	100%	Done	0%	0%	80%	20%

### Task Discussion (Milestone 5)

Hardware Interaction -> Put to the side

Trajectory -> Ideal conditions

Connectivity -> Proper hotspot starting

Poster -> Skeleton

UI -> Better everything

Testing -> Basic unit tests

Event detection -> Segmented, near real time, video saving and back up

#### Contribution

Tyler - Assisted backend-frontend interaction, better logs system with Grafana and Loki, containerization

Vincent - Frontend-backend interaction, general UX improvements, toast system, zipping research files

Jean-Pierre - Logging for node events, segment and event archiving

Charles - Node connectivity, trajectory/mass/velocity

## Task Matrix (Milestone 6)

Task	Tyler	Vincent	Jean-Pierre	Charles
Client Hardware Interaction	50%	0%	25%	25%
Orbit, trajectory, velocity, mass (of bolide)	0%	0%	20%	80%
Client connectivity logic	10%	0%	20%	70%
Poster, User/Developer Manual, Demo Video, Documentation	25%	25%	25%	25%
Finish UI	20%	80%	0%	0%
Full system server and client tests	40%	30%	20%	10%
Evaluation	25%	25%	25%	25% ·

### Task Discussion (Milestone 6)

Hardware interaction - Calibration, humidity sensor, water sensor

Trajectory - Real world

Connectivity - Password, hostname

Poster - Fill in information

UI - Final backend frontend integrations

Tests - Integration tests

Evaluation - Accuracy, sensors, processing time, UI response time, researcher survey/interview

# Thanks!