

Jake Rauchen, Kevin Tayah, Matthew Horger  
CI-102-064  
Team 46

### System Components

1. Arduino and associated sensors - provides core requirements for our helmet
2. Arduino and sensor code - seamless functionality of the sensors
3. Rechargeable batteries - easy support for user interaction and use of helmet
4. GPS Connection - for transfer and utilization of Google Maps API
5. JSON Data - stored sensor data that can be accessed via USB computer connection
6. Mobile Application - user customizable interface to enhance ride
7. Database - past history of coordinates and personal information
Support system - for medical and database managers
Network manager - maintain information from user to user