List all functional requirements of your team project.

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| --- | --- |
| Use Case Section | |
| Use Case Name | Detect Sleepiness. |
| Use Case ID | UC-DS |
| Goal in Context | Awake actor |
| Scope | Sensing |
| Level | Summary |
| Primary Actor | User (Driver) |
| Secondary Actor | Raspberry Pi Camera |
| Stakeholders and Interests | Driver : Save driver's life. |
| Preconditions | Turn on device |
| Success guarantee | The driver wakes up. |
| Trigger | The driver is dozing off. |
| Main Success Scenario | Driver : Turn on device  Driver : Doze off  Device : Detect sleepiness.  Device : Alert to awake driver  Driver : Wake up |
| Extensions | 1. Driver is not dozing off. -> not alert |
| Special Requirements | 1. Easy installation  2. Supply power from car cigarette jack  3. Install it in a location that doesn't interfere with the operation. |
| Technology and data  variations list | - Capture driver status using Raspberry Cam  - Apache web server on Server  - Using Cognitive Service REST API + HTTP Protocol |
| Frequency of occurrence | - While driver is driving |
| Miscellaneo | … |