# Scope

This project is intended for clients that have more than one storage or warehouse location and that are interested in the services and results that “RIG Network Engineers” is offering. Our focus is on creating a product/service for our client scenario and provide help and service support. The scope of this project is to create a network between website, application, and sensors. Each location has sensors and uses “RIG application” to connect to the website and store logs to database of the sensors and the website.

## Scope Definition

|  |  |
| --- | --- |
| Del  ID# | Description |
| 1 | Application for sending and retrieving sensor information |
| 2 | Application for server management |
| 3 | Website for the client |
| 4 |  |

|  |  |
| --- | --- |
| **Substitution**: Work Breakdown Structure (WBS) or mind-map attached | **WBS / Mind-Map** |

|  |  |  |
| --- | --- | --- |
| Task ID# | Task to be completed | Enter Del ID# |
| 1 | “Smart Product filter” feature | 3 |
| 2 | Program C code for sensors | 1 |
| 3 | App to monitor website status | 2 |
| 4 | Create a database for website logs | 2 |
| 5 | Create a database for sensors logs | 2 |
| 6 |  |  |

## Items Beyond Scope

|  |  |
| --- | --- |
| This project **will exclude** the following: | Please list deliverables or tasks that *will not be completed or provided* as outputs of this project. |

## Requirements

For this project we were given a few minimum constrains that must be met in the project. They are as follow in categories of the modules of the course:

**Provisioning and Securing**

* Design the system that is resistant to a failure (think about design for failure).
* Design few tasks using Bash.
* Use RADUIS.

**Managing and Securing**

* Find out which parts of Infra setup need installation and setup of:
* IDS/IPS
* Monitoring tools
* Analysis of log and event files
* Demonstrate your pen-testing skills
* To which assets of Infra setup?
* Demonstrate your Infra setup complaint to GDPR

**Programming**

* Flask web application
* Tkinter cross-platform application
* Container for the application and database
* Application Deployment modeling
* Structural and behavioral modeling
* Application security