

Project plan and requirements

Project 5: Industrial robot monitoring



Client and Problem

Client : OpiFlex AB

Productions :

- Mobile robot platforms
- Fenceless security systems for robots

Problem :

Monitoring the robot's status and its surroundings through an android app

Project Organization

Project group

- **Viking Gustav Lindberg** (Project manager)
- **William Achrenius**
- **Noé Baylac Jacqué** (Configuration manager)
- **Naida Demirovic**
- **Andreas Hemlén**
- **Erik Martin Campana** (Document templates)
- **Elaheh Aalinejad** (Document templates)
- **Pontus Wedén** (Client communication responsible)

Communication and synchronization

- Weekly meetings
- Skype
- Facebook group
- Google Drive
- Trello board
- GitHub

Interaction with the client

- meetings every Wednesday
- requirements specification
- design suggestion
- priority of different feature

The system our client wants

- application and back-end server
- monitoring the robot's status and its surroundings
- product history
- error logs
- information about: input material levels, remaining room for output, and total items produced etc.
- maintainability

Initial Project backlog

- **Make an initial app design**
 - a. Create app login page
 - b. Create page for listing robots
 - c. Create settings page for the app
 - d. Create error log in the app
 - e. Allow notes to be taken for each error in the error log.
- **Make an initial server design**
 - a. Create server tables for data
 - b. Store dummy data on the server
 - c. Create login functionality in the database
- **Setup server and app communication**

Important non-functional requirements

- **User friendliness**
 - Easy to use
 - Enjoyable
- **Security**

Thank you for your attention!

Questions?