Configurator - Application development

Proposal and Estimates

Overview

Configurator is an application for DC/BLDC machine analysis based on the customer load points (voltage, speed, torque and temperature). The frontend should be developed from the scratch, relying on the requirements of the client (.pptx presentation and Faulhaber configurator). The backend should be updated and documented. Furthermore, new functions should be added. Both, frontend and backend should be modularly developed so that further developments and extensions are possible.

Basic Solutions

Analyzing the presentation provided by the client the following phases and features are identified:

* Preparation phase (onboarding, getting to know the requirements)
* Endpoints (JSON inputs and outputs)
* Sign Up
* Sign in
* Change/Reset password
* Forgot Password
* User Management (Admin and User itself)
* Users Page
* User details page
* Configurator page
  + List of available motors (grouped by the power class)
  + Selection of the favorable motor
  + Modal to enter customer load points (speed, torque and temperature)
  + Possibility to read load points from excel file
* Analytics and Comparison
* Deployment
* Maintenance

Common Assumptions

* All phases/features require QA
* All phases/features assume weekly client reviews of the work done

The client is going to provide all API endpoints for developing front-end part. This should be bases on existing backend solution from drive-simulation.

The design is not needed here so we will just follow good UX practices providing the good user experience.

Notes

● Estimates here are rough based on available information and could vary depending on

additional refinement of the features.

● If changes for the specific feature are significant we will re-estimate that feature

● In case of waiting for some information or API development, a total number of days can

be increased

● We will do a consulting for the client to reach the optimal results