Password Safe Next Generation

Password safe was very successful and it seems suitable for bigger investments. Therefore, PO plan a new generation of the app including following features:

- ***Export/Import passwords from csv files:***
  The tool exports passwords and their keys as csv files. Vice versa, such csv files can be imported as well.

- ***Test password safety by dedicated API:***
  Integrates a service (PasswordCop API), developed by some external company (Password Cops), that validates the security (strength) of entered passwords. Passwords can be send to the API returning a validation report of the password's security. The system displays this report to the user.

- ***Make the backend reusable for more sophisticated UIs (e.g.: Kotlin App, Web application …):***
  The backend should be reusable by other UI Technologies. Therefore, make sure that crucial business logic does not reside within the presentation layer.

- ***Make the backend reusable for REST client:***
  The backend should be reusable by a REST Client, so that other companies could build their own API.

- ***Add multiuser support:***
  Multiple users should be a able to access the system. Make sure that confidentiality is in place. This typically requires a database supporting concurrent connections.

Hand-In

Design the project based on the arc42 template. There is no need to implement the project at all.

Point out clearly you constraints, quality goals, requirements and stakeholders. Include all supported use cases and provide a general system overview. The granularity of building block views and Runtime views is up to you, but make sure that your documentation visualizes complicated processes. Do not forget about proper methods for quality assurance.

Name your document Group_{GroupNumber}_PWDSAFE.pdf Upload the file to moodle and prepare a corresponding presentation for the presentation-lecture.