**Password [Manager]**

**DD.MM.YYYY**

# **OVERVIEW & GOALS**

The main goal is to create a centralized Front-end Microservice, where users can manage – reset and change their password for their main account, which is used for accessing different work applications.

General, long-term idea: This application later on can be easily added and used in new applications – where user authentication, and therefore password change and reset functionality is requiered.

# PRODUCT REQUIREMENTS

**User Interface**

* Enter E-mail screen
* Screen to choose: Reset Password or Change Password
* Success message when email is sent with instructions to reset password
* Pasword Resetting screen
* Pasword Changing screen
* Success message when password changing is achieved (need to research if redirecting automatically back to the app is possible)
* Error message

**Backend API**

* Validates that the entered e-mail exists in the Database, through CoreAPI
* Validates the password input fields
* Triggers CoreAPI endpoints to send email for password reset and to change password
* Redirects responses from CoreAPI for success & failure

# ASSUMPTIONS

* The app will be used only by employees of Dentaprime with existing email addresses
* Email functionality, password reset and password change functionality to be handled from CoreAPI

**Ways to access the app:**

* From*“Forgotten Password?”* button in existing apps
* From*“Change Password”* button in existing apps

# APPROACH

A singe page React application will be created for the User Interface and the backend part will be done using NodeJS.

The data coming from the Front-end will go through backend validation through REST API. The backend will communicate with the CoreAPI to handle emails, password resets and password changes.

# PROJECT DEPENDENCIES

* **API endpoints from CoreAPI**

# DETAILED TIMELINE

* **PREPARATION** (2 weeks)
* Create user stories, app specifications & timeline – 1 week
* Git repository setup & have a working React project – 1 week
* **FRONTEND** (1 week)
* Main screen, user flow & modals – 1 week
* **BACKEND** (3 weeks)
* Create a Node.js app’s basic structure – 1 week
* Implement API endpoints & connect with CoreAPI – 2 weeks
* **TESTING** (1 week)
* **DOCKERIZING AND DEMPLOYMENT** (1 week)

**Total ETA - 8 weeks**

# WIREFRAMES

