

# Nadko Dentals Design Document

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## 1. Introduction

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Nadko Dentals is an organizational application for dental technicians and dentists as well as their patients. It is a solution to the chaos of working with many people all day.

## 2. Problem Overview

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Working with many patients on a daily basis is bound to cause some organizational problems. The purpose of this project is to provide an organizational tool in the form of a web application that can be used by dental professionals everywhere. Currently there are some existing similar applications on the market that target either the dental professionals or the patients. The purpose of this application is to handle the needs of both of those sides – It should help the patients when they want to set an appointment with a dentist and it should be able to help the dentists in organizing their daily tasks and appointments.

## 3. Solution Overview

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### Scope

Inside Scope	Outside Scope
Nadko Dentals will allow dentists to view their patients.	Nadko Dentals is not aiming to replace proper medical documentation that is already in place.
Nadko dentals will allow dentists to add notes/remarks related to a patient	Nadko Dentals will not provide patients with any medical insight/advice.
Nadko Dentals will allow patients to request appointments with their dentist.	
Nadko dentals will send notifications to both dentists and patients before their appointments.	

## Constraints

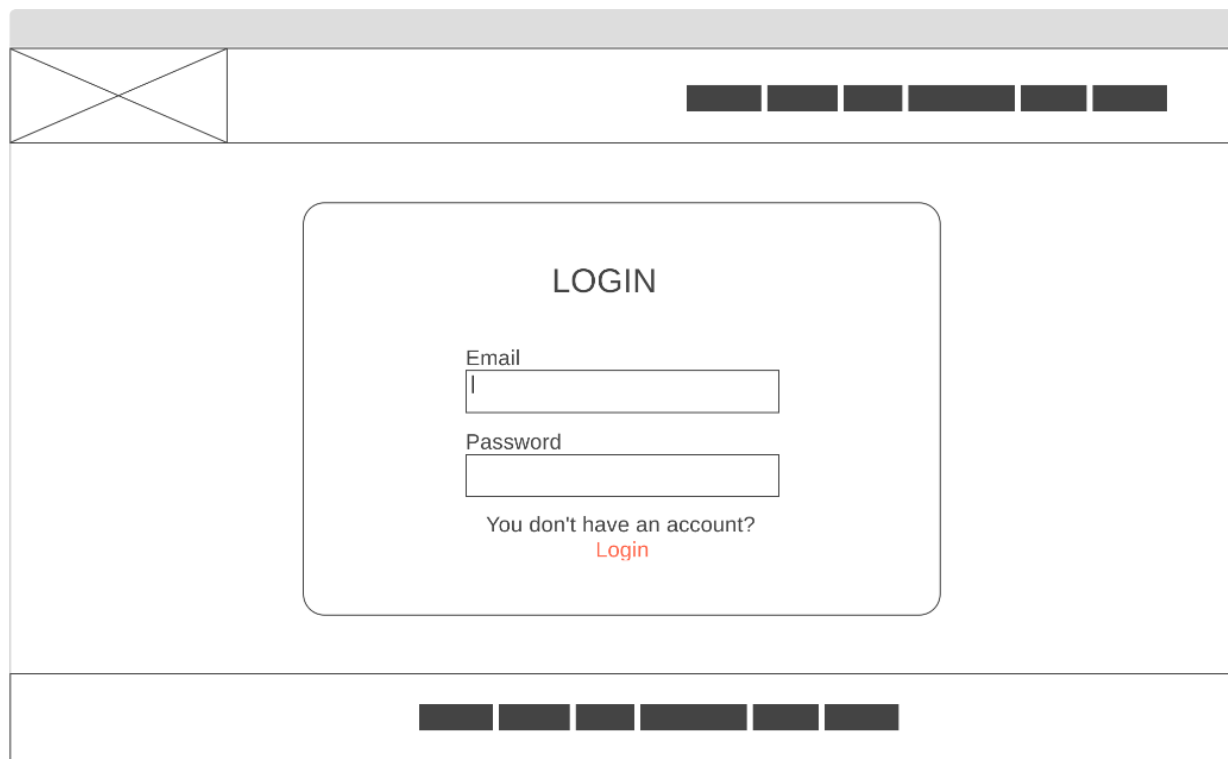
Constraint	Description
Time	The period of time that is set for completing this project is 18 weeks divided into 6 sprints of 3 weeks each.
Experience	Some research will be needed to complete this project.
Quality	The end product needs to have a certain level of reliability as it will be used in the medical field.

## 4. Application Architecture

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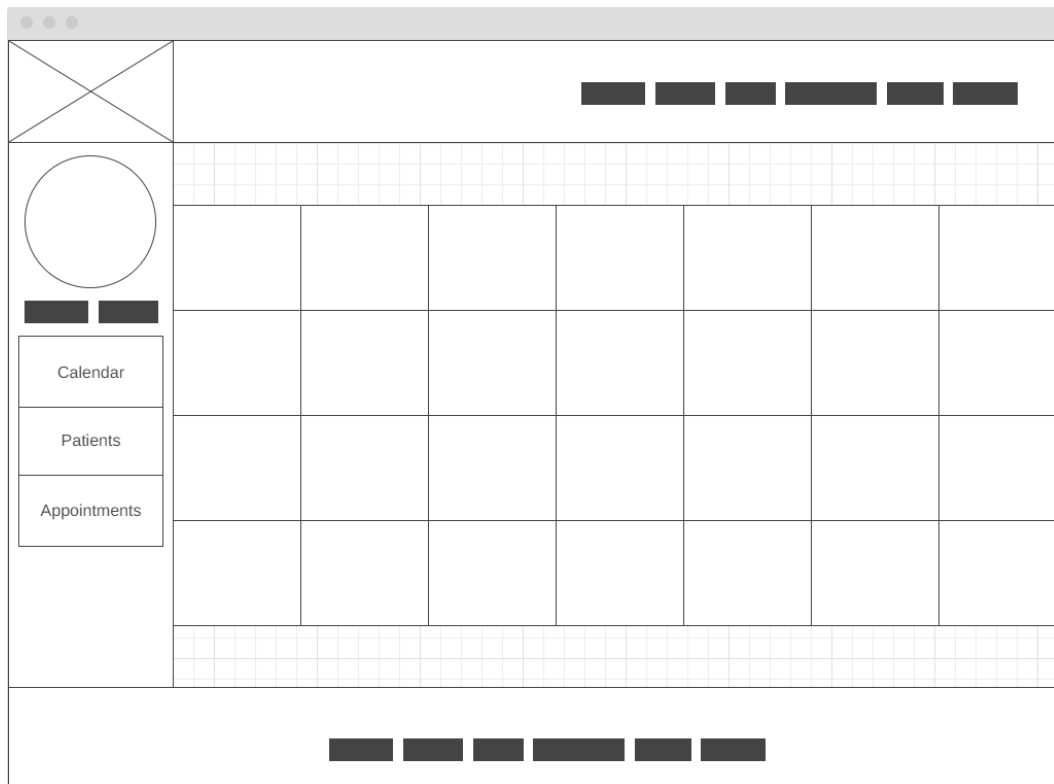
### User Interface

#### Login Page



The image shows a login page UI mockup. At the top, there is a header bar with a logo placeholder (a square with an 'X') on the left and a navigation menu with six dark rectangular buttons on the right. The main content area features a central rounded rectangle containing the text 'LOGIN' at the top. Below this, there are two input fields: 'Email' with a cursor in the first field, and 'Password'. Under the password field, there is a link that says 'You don't have an account?' followed by a red 'Login' button. At the bottom of the page, there is a footer bar with six dark rectangular buttons.

## Calendar Page



The Calendar Page UI mockup features a sidebar on the left with a close button (X), a circular profile picture placeholder, two small dark rectangular buttons, and a vertical menu with 'Calendar', 'Patients', and 'Appointments' options. The main content area is a calendar grid with a header row and a body of 7 columns and 4 rows. The top and bottom of the page contain a series of dark rectangular buttons.

## Patients Page



The Patients Page UI mockup features a sidebar on the left with a close button (X), a circular profile picture placeholder, two small dark rectangular buttons, and a vertical menu with 'Calendar', 'Patients', and 'Appointments' options. The main content area includes a header with a search bar and a dropdown menu labeled 'Order by ID'. Below the header is a list of patient records, each displayed in a rounded rectangular card. The records are identical, showing 'ID: 5612', 'Name: John Doe', and 'Last appointment: 25-02-2021'. The bottom of the page contains a series of dark rectangular buttons.

ID	Name	Last appointment
5612	John Doe	25-02-2021
5612	John Doe	25-02-2021
5612	John Doe	25-02-2021
5612	John Doe	25-02-2021
5612	John Doe	25-02-2021
5612	John Doe	25-02-2021

## Appointments Page

The mockup shows a web application window with a sidebar on the left and a main content area. The sidebar contains a circular profile picture placeholder, a 'Calendar' button, and a list of 'Patients' and 'Appointments'. The main content area is titled 'Appointments' and shows the date '23-03-2021'. It features a vertical timeline with time slots from 8:00 am to 03:00 pm. Slots from 8:00 am to 10:00 am, 01:00 pm to 02:00 pm, and 02:00 pm to 03:00 pm are highlighted in orange, indicating appointments. The 12:00 am slot is highlighted in grey. The interface includes a close button (X) in the top left, a search bar at the top right, and a scroll bar on the right side of the appointment list.

Nadko Dentals' front end will be programmed in the React JavaScript framework.

## 5. Data Architecture

