
Internet Praktikum of Telecooperation Group - Winter Term 2018/2019

Project Topic: Interactive Door Panel for Office Availability

Team Foxtrot

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Abstract

In this project we implement a doorpanel application designed to run on Android Tablet as well as the counterpart application designed to run on android smartphones. The intention is to display information about the office room the doorpanel is assigned to as well as the workers in this office and their availability status. If the workers don't want to be disturbed by visitors coming by, the application provides the means to request an appointment as well as to send a message to a worker.

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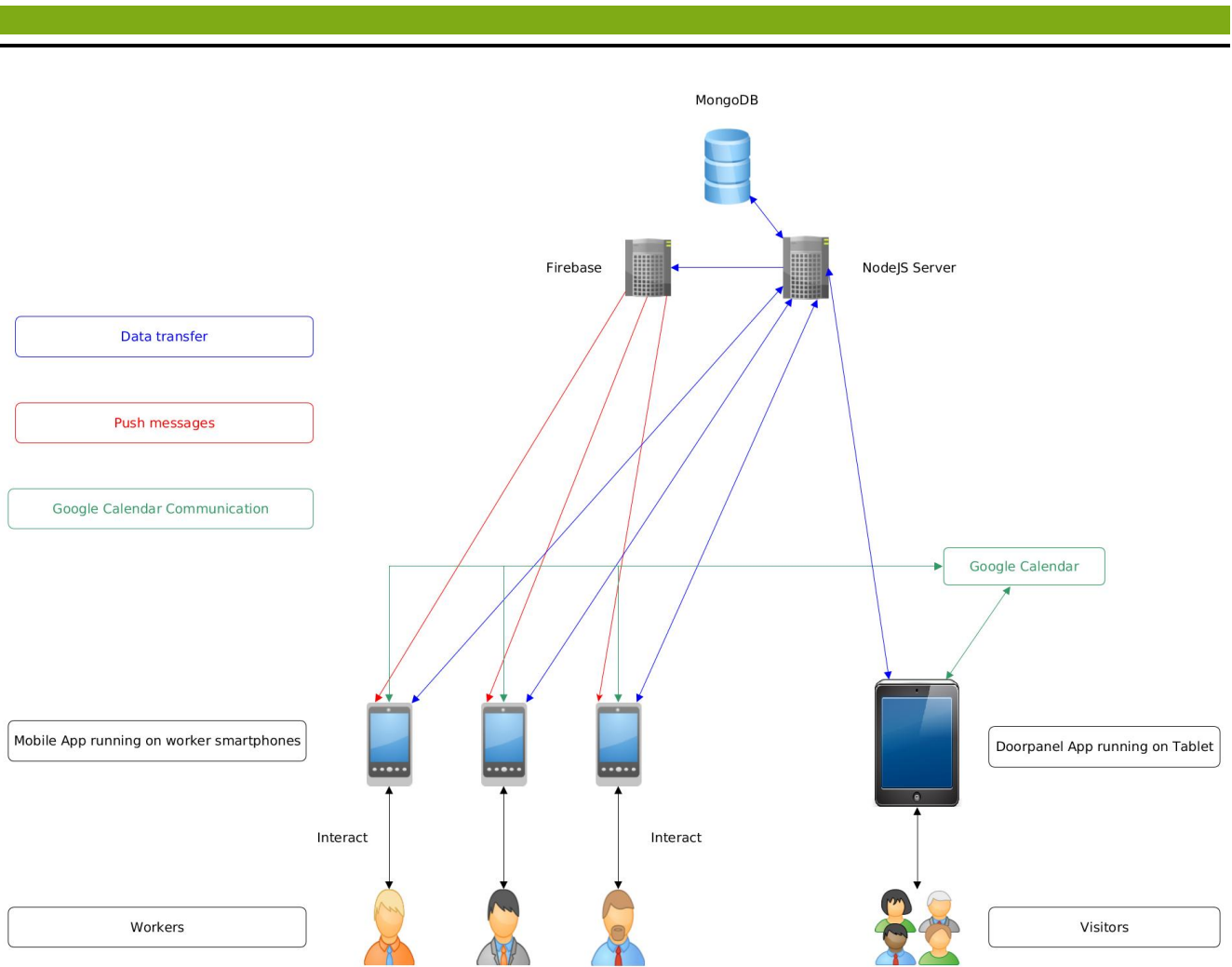


Figure 1: Basic communication

1 Motivation

Traditional doorpanel signes printed on paper may be quite common but they lack a lot of possibilities. Every time there is a change concerning the workers assigned to the office room, the sign needs to be reprinted and replaced. Even more important, the workers have no means to indicate to visitors passing by and maybe wanting to talk to a worker inside the office if they are welcome to enter or if a disturbance is currently inappropriate.

In order to change that we implemented an interactive doorpanel application to meet the requirements of up to date offices and their personel.

2 Structure

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2.1 Structural Overview

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2.2 Description of elements and their interaction

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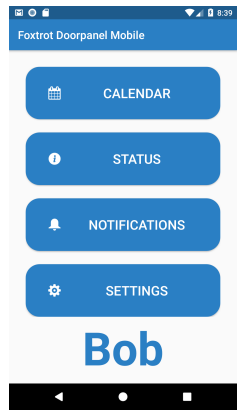


Figure 2: Main Screen

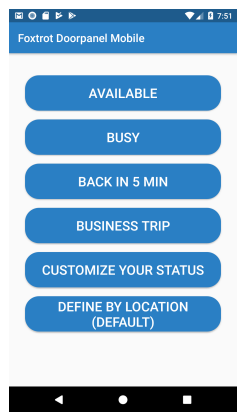


Figure 3: Status Selection

3 User Descripton

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3.1 Basic Funtionality

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3.2 Detailed explanation

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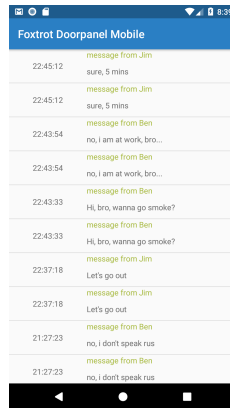


Figure 4: Notifications

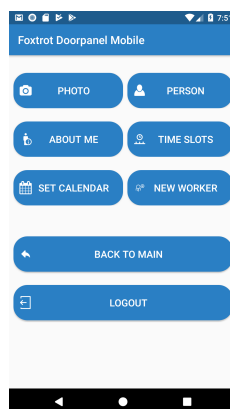


Figure 5: Settings Main Level