

Design Document

FITUP

Luca Cassenti
Nicolò Giannini



Design and Implementation of Mobile Applications

A.A. 2022 – 2023

Contents

Introduction	4
Purpose	4
Main Features	4
Definitions, Acronyms, Abbreviations	4
Revision History	4
Document Structure	4
Architectural Design.....	4
Overview	4
Component View	4
Deployment View	4
Runtime View.....	4
Selected Architectural Style and Patterns	4
Custom Layouts and Views	4
Custom Layouts.....	4
LineGraphLayout.....	4
WorkoutLayout	4
Custom Views.....	4
CircularCountdownView	4
LineGraphDataView	4
Minimized Exercise View	4
User Interface Design.....	5
Principles and Guidelines	5
Style and Visual Identity.....	5
Color Scheme	5
Typography	5
Iconography	5
Mobile App UI	5
Companion App UI.....	5
User Experience Diagram.....	5
Requirements.....	5
Implementation, Integration and Test Plan.....	5
Backend.....	5
Frontend.....	5

Android App	5
WearOs App	5
Testing.....	5
Unit Testing	5
References.....	5

Introduction

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Purpose

Lorem ipsum dolor sit amet, consectetur adipiscing elit, sed do eiusmod tempor incididunt ut labore et dolore magna aliqua. Ut enim ad minim veniam, quis nostrud exercitation ullamco laboris nisi ut aliquip ex ea commodo consequat. Duis aute irure dolor in reprehenderit in voluptate velit esse cillum dolore eu fugiat nulla pariatur. Excepteur sint occaecat cupidatat non proident, sunt in culpa qui officia deserunt mollit anim id est laborum.

Main Features

Definitions, Acronyms, Abbreviations

Revision History

Document Structure

Architectural Design

Overview

Component View

Deployment View

Runtime View

Selected Architectural Style and Patterns

Custom Layouts and Views

Custom Layouts

LineGraphLayout

WorkoutLayout

Custom Views

CircularCountdownView

LineGraphDataView

Minimized Exercise View

User Interface Design

Principles and Guidelines

Style and Visual Identity

Color Scheme

Typography

Iconography

Mobile App UI

Companion App UI

User Experience Diagram

Requirements

Implementation, Integration and Test Plan

Backend

Frontend

Android App

WearOs App

Testing

Unit Testing

UI Testing

Frameworks

References