

University of Puerto Rico
Mayagüez Campus

Department of Electrical and Computer Engineering
Department of Software Engineering

Shoe Selling App

by

Fabio J. Matos Nieves
Héctor A. Rivera Hernández
Sergio A. Meléndez Padilla
Alexander J. Gonzalez Suarez
Josean Rodriguez Lugo
Ricardo A. Morell Rodriguez

For: Professor Marko Schütz-Schmuck
Course: INSO 4101 Seccion 040H
Date: March, 3, 2023

Contents

1	Informative Part	3
1.1	Team	3
1.2	Current Situation, Needs, Ideas	3
1.2.1	Current Situation	3
1.2.2	Need	3
1.2.3	Ideas	3
1.3	Scope, Span, and Synopsis	4
1.3.1	Scope and Span	4
1.3.2	Synopsis	4
1.4	Other Activities Than Just Developing Source Code	5
1.5	Derived Goals	5
2	Descriptive Part	6
2.1	Domain Description	7
2.1.1	Domain Rough Sketch	7
2.1.2	Terminology	7
2.1.3	Domain Terminology in Relation to Domain Rough Sketch	7
2.1.4	Narrative	7
2.1.5	Events, Actions, and Behaviors	7
2.1.6	Function Signatures	7
2.2	Requirements	8
2.2.1	Domain Requirements	8
2.2.2	Interface Requirements	8

2.2.3	Machine Requirements	8
2.3	Implementation	8
3	Analytic Part	9
3.1	Concept Analysis	9
3.2	Validation and Verification	9

Chapter 1

Informative Part

1.1 Team

1.2 Current Situation, Needs, Ideas

1.2.1 Current Situation

1.2.2 Need

1.2.3 Ideas

1.3 Scope, Span, and Synopsis

1.3.1 Scope and Span

1.3.2 Synopsis

1.4 Other Activities Than Just Developing Source Code

1.5 Derived Goals

Chapter 2

Descriptive Part

2.1 Domain Description

2.1.1 Domain Rough Sketch

2.1.2 Terminology

2.1.3 Domain Terminology in Relation to Domain Rough Sketch

2.1.4 Narrative

2.1.5 Events, Actions, and Behaviors

2.1.6 Function Signatures

2.2 Requirements

2.2.1 Domain Requirements

2.2.2 Interface Requirements

2.2.3 Machine Requirements

2.3 Implementation

Chapter 3

Analytic Part

3.1 Concept Analysis

3.2 Validation and Verification