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Shoe Selling App

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Chapter 1

Informative Part

1.1 Team

- Fabio J. Matos Nieves
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1.2 Current Situation, Needs, Ideas

1.2.1 Current Situation

The second hand shoe market being projected to have a market size of \$893.9 million *Second Hand Designer Shoes Market* (n.d.), with expected

growth at a steady rate of 7.8% *Second Hand Designer Shoes Market Is Expected to Grow at a Steady Rate of 7.8% through 2032 with Focus on Affordable Offerings* / *Future Market Insights, Inc.* (n.d.), is it safe to assume that this market is not going away any time soon. Being a booming second hand market, there will be malicious actors within. Mainly that the shoe industry is the most affected by counterfeit products *Infographic: The Industries Most Affected by Counterfeit Products* (n.d.). Furthermore, since it is a booming industry, counterfeiting is on the rise and knowledge of identifying counterfeits are scarce and ever evolving. This is further compounded by the fact that the barrier to entry for this industry is quite high, so resellers of legitimate shoes are financially discouraged in making their product available and thus making it seem that counterfeit products are more prevalent than they actually are. In the continental USA, there are platforms like GOAT.com *GOAT.Com* (n.d.) that are a market place for the reselling of shoes but none exist for Puerto Rico with a focus on independent verification and validation of the legitimacy of the products being sold on the platform.

1.2.2 Need

There currently is a need for a platform that can openly host resellers of limited edition shoes, whilst providing transparent verification of each and every product hosted on the platform. Since there is a large proportion of counterfeit products within the second hand shoe market, an open repository of information about counterfeit products is a must in order to subside the purchase of counterfeit products on all platforms

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

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