Dow 18/1/24 Pouparing an JRS wing Rational Requiriste Pro

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Objutives:

> Understanding the IEEE standard of SRS.

-> Preparing Requirement management plan

-> Preparing SRS document for E-AGIRI

-> Finding features of the Software regiters

-> Finding Unecase requirements

> Finding Stakeholders nequinements

-> Finding Supplementary requirements

> Mapping Features with other nequirements

-> Preparing Attribute materia

-> Prepareng Traveability matrix

F- AGIRI

1. INTRODUCTION

1.1) Purpose

The purpose of the E-AGIRI noftware is to weate a platform that connects farmers dineitly with end customers, eliminating the need of Entermediantes. The Software alms to empower farmers by enabling them to sell their agricultural products directly to consumers, thereby reducing dependence on multinoutional componations (MNCs) and minimizing Agricultural waste

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1.2) Document Conventions SRS version: 1.0

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1.3) Intended Audience and Reading Suggestions This document is intended for developers, testers, profert managers, and stakeholders involved in the E-AGIPI project. It provides an overvieur of the project requirements and serves as a référence for system development.

1.4) Project Scope

The E-AGIRI software will include features for direct transactions blu bourners and customers, information dissemination on agricultural development, and tools to enhance the overall agriculture evoystem.

1.5) References

> KYENOL GRP

-> Cropin SmartFarm

-> PounAgno

-> Satya FIMS

-> Aahaax ERP

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2. OVERALL DESCRIPTION

2.1) Product Perspective

The E-AGIRI roftware is a standalone system that art as a buildge b/w barmers and consumers. It is not dependent on enternal systems but may integrate with external databases for agricultural information.

2.2) Product Features

1. Direct Transaction: Allow formers to list and sell their agricultural products directly to customers. to customers.

2. Information Hub: Provide agricultural information, tips, and updates to every.

3. User Proféles: Farmon and customers can create profile with relevant information.

4. Payment Grateway: Faillêtate seure onlêne transactions.

5. Routing and Feedback: Allow users to nate and provide feedback on transactions.

2.3) User Classes and Characteristics Farmer: Primary users who list and sell agricultural products.

Customers: Individuals or business who purchase products from farmers.

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2.4) Operating Environment The software will be accenible through web browsen on desktop and mobile devices. It should be compatible with major browers.

2.5) Design and Implementation Constraints The software should be developed using HTML, CSS, Java script, greent, node JS, MYSOL

2.6) Anumptions and Dependencies -) Users have accen to the internet for on line transactions.

-) Farmers and customers are responsible for their account information.

3. SYSTEM FEATURES

3.1) Functional Requirements

3.1.1) Direct transaction

> Farmers can list their products with detail

-> Customers can browse and purchase

products payment por transactions

3.1.2) Information Hub

-> Agricultural news and updates

-> Tips for farmers on crop cultivation

> Weather information.

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4. EXTERNAL INTERFACE REQUIREMENTS 4.1) User Interfaces

-> Intuitive and user-forcendly interfaces for farmers and customers.

-> Responsive design bor various devices.

4.2) Hardware Interfaces Standard Hardware bor accening web applications (desktops, laptops, tablets, martphones).

4.5) Software Interfaces Compatibility with major Web browners (Chrome, Fire Fox, Safari, Edge, Brave)

4.4) Communications Interfaces Secure data teransfer over HTTPS

5. NONFUNCTIONAL REQUIREMENTS

5.1) Performance Requirements

-> Response time for transaution: [1 min]

-> Concurrent user support: [1000]

5.2) Safety Requirements > Encryption of sention wer data. -> Regular data backups.

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5.3) Sewrity Requirements -> User authentication and authorization. -> Protection against rommon web vulnerabilities (JQL injection, XSS).

5.4) Software Quality Attributes
Reliability: The system should be available
and suriable during peak usage.
Usability: Intuitive interfaces for both
farmers and customers.
Maintainability: Code should be welldocumented and modular.

Result:

Thus, I was succeptually

Completed my software requirement

sperifications for my E-AGRI software

sperifications for my E-AGRI software

using Rational Requirite pro.