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AGRIBUZZ CHANGE THE WAY FARMERS TRADE

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ABSTRACT

Agri Buzz is a website for online agricultural trade. This website helps farmers by providing them a large market online to sell their produce. They can also hire farm labourers and be updated with the recent agriculturalequipmentseasily.Theconsumerscanalsobuyfreshproducedirectlyfromthefarmers.

Keywords: iAgro", (SRS), Context flow diagram, System Design.

I. INTRODUCTION

A**softwarerequirementsspecification**(SRS)isadescriptionofasoftwaresystemtobedeveloped,layingout functional and non-functional requirements, and may include a set of use cases that describe Interactions theuserswillhavewiththesoftware. A basic purpose of the SRS is to bridge this communication gap between client and the developers they have asharedvision of the software being built. An SRS establishes the basis for agreement between the client and the supplier onwhat the software product will do. SRS provides a reference for validation of the final product. A high-quality SRS is aprerequisite tohigh-qualitysoftwareandalsoreducesthedevelopment cost. The introduction of the Software Requirements Specification (SRS) provides an overview of the entire SRS with purpose,scope, definitions, acronyms, abbreviations, references and overview of the SRS. The aim of this document is to gather andanalyze and give an in-depth insight of the complete "iAgro" by defining the problem statement in detail. The detailedrequirementsof"iAgro" are providedin thisdocument.

- **SystemAnalysis:**

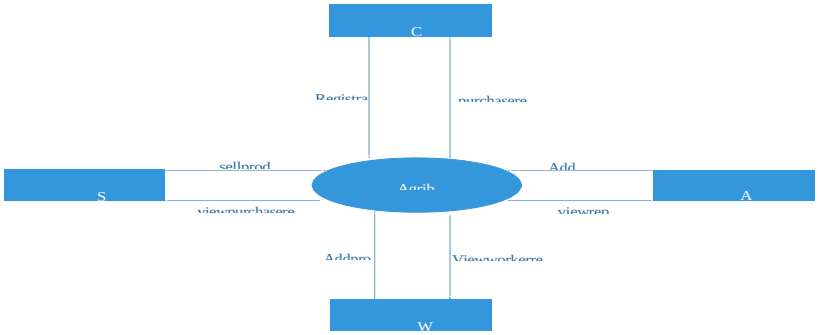
II. METHODOLOGY

The system analysis approachemphasisesa closed look onall parts of the system.The analystmust consider all thesystemelements,theirinputs,outputs,control,feedbackandtheenvironmentwhenthesystem isbeingconstructed.

- **SystemDesign:**Thegoalofsystemdesignphaseistoproduceamodelorrepresentationofthesystem,whichcanbe usedtobuildthesystem.Heretheemphasisisontranslatingtherequirementsofthesystemintodesign specification.

1. **ApplicableDocuments:**ThedocumentusedinsystemdesignisSoftwareRequirementSpecificationDocument.

- **ContextFlowDiagram**: Context flow diagram is a top level data flow diagram. It only contains one process node that generalises the function of the entire system in relationship to external entities. In context diagram the entire system is treated as a single process andallitsinputs,outputs, sinksandsourcesareidentifiedandshown.



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III. MODELING AND ANALYSIS

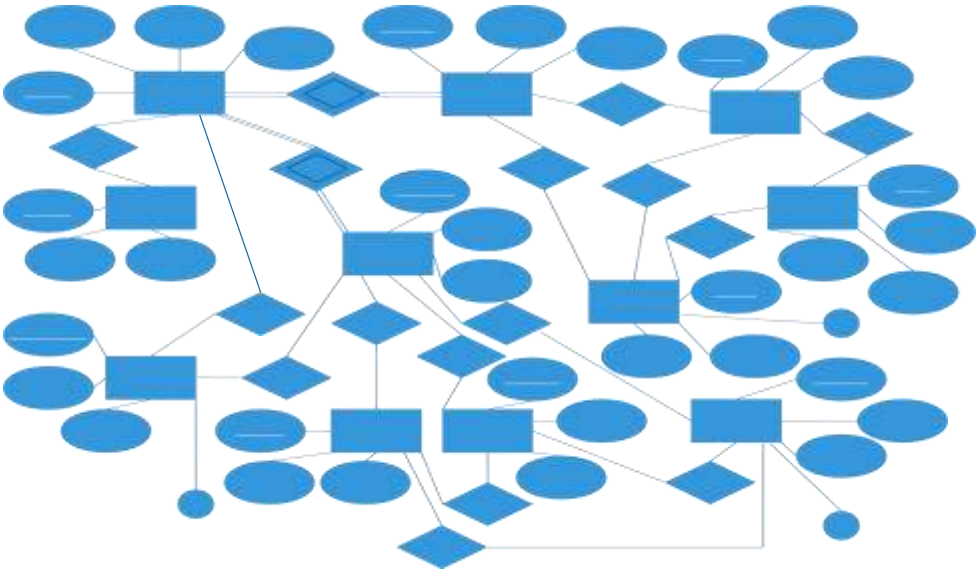
Database: ADatabaseis collectionofrelateddata,which canbeofanysizeandcomplexity.Byusingtheconceptof Database, we can easily store and retrieve the data. The major purpose of a database is to provide the information, whichutilizesitwiththeinformation'sthatthesystemneeds accordingtoitsownrequirements.

DatabaseDesign: Database design is done before building it to meet needs of end-users within a given information-system thatthe database is intended to support. The database design defines the needed data and data structures that such a databasecomprises.

The database is physically implemented using MySQL.Thedatabasefor"iAgro"isorganizedinto19tables:

- Admin
- article
- category
- city
- country
- customer
- produce
- product
- product_purchase_bill
- product_purchase_record
- purchase_order
- purchase_order_bill
- purchase_request
- seller
- selling_product
- state
- variety
- worker
- worker_request

ER-Diagram:



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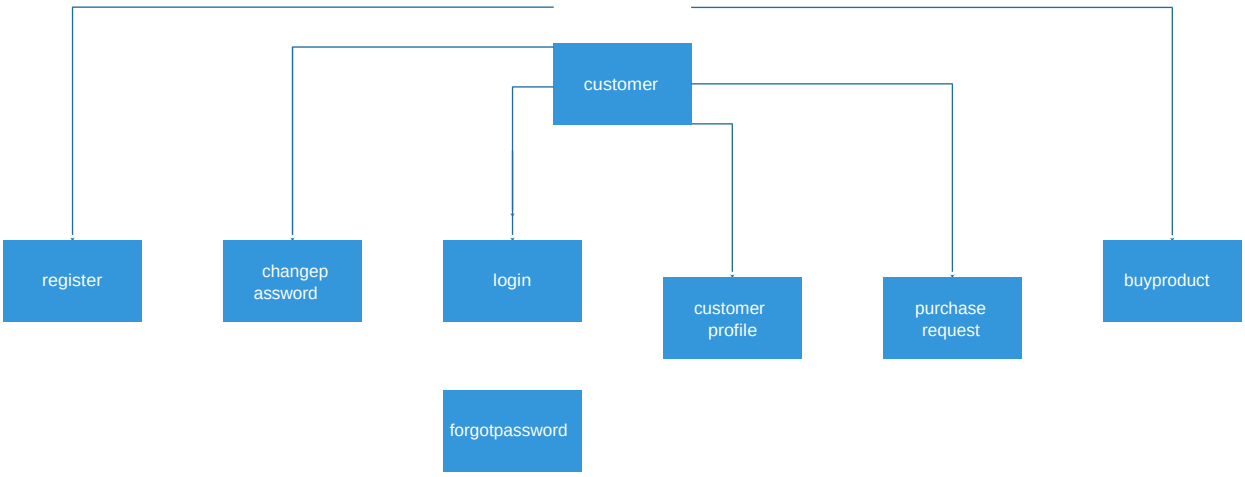
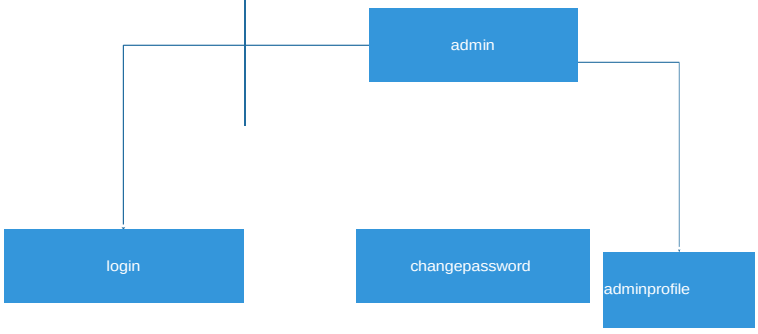
IV. DATASELECTION

The purpose of preparing this document is to explain complete design details of iAgro. This detaileddesign reportwillmainlycontainthegeneraldefinitionandfeaturesoftheproject,designconstraints,theoverallsystemarchitectureand data architecture. Additionally, a brief explanation about our current progress and schedule of the project will beprovided in related sections. Design of the system and subsystems/modules will be explained bothverbally and visuallyby means of diagrams in order to help the programmer to understand all information stated in this document correctly andeasily.

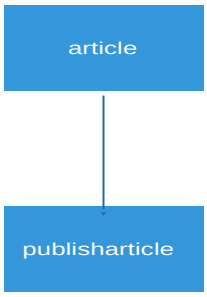
Structurechartforcustomer:



Structurechartforadmin:



Structurechartforarticle:



V. RESULTSANDDISCUSSION

Regarding the testing which is part of the transition phase, there were two types of testing done: system and acceptancetesting.ThesummaryoftestcasesisinTable2,wherebytherewereatotalof18casesforeachofthefunctionalitiesinthe web application as well as the Android application. The functionalities are as follows: authority, requester and userregistration,authorityanduserlogin,uploaduser details, and requestuserdetails

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VI. CONCLUSION

The project "AgriBuzz" is a man-made projectand, therefore, there may be mistakes and limitations. The ideas put upmay be different. The terms and names may be different. However, our sincere effort was to give the best. The advancedtechniqueslikesensortechnologycanbeusedinthe future formeasuringthequalityofthe product.

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