DIGITAL ASSIGNMENT-1

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Course: Software Reuse

Course Code: SWE2024

MAGAZINE FULFILLMENT SYSTEM

1) METHODOLODY OF MAGAZINE FULFILLMENT SYSTEM:

The methodology involves the automated magazine fulfillment center is relatively recent product selling a service to publishers and mass circulation magazines.

→ The fulfillment center contracts with number of publishers and perform a group of related process such as soliciting, receiving, recording and supplying subscriptions. and these are known as magazine circulation.

→ As the costs of producing and issuing journals have risen, publishers tried to hold their subscription prices to reasonable level. They have automated processing, reduced or eliminated subscription agency discounts and lowered quality of paper.

→ The Legacy system involves low rates on the magazine storage and national / International shipping and no setup costs and no tricky fees and custom full service fulfillment and free test driven program.

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→ Legacy system wrapping can be moving to a new technology as service oriented architecture and the contribution presents a tool supported method for acheiving that goal. legacy code is wrapped which allow individual functions within program to be offered as Webservice to any external users

→ Legacy system a significant part of the company software assets can be pressured in the framework and divided as programs that are dependent, and partially dependent and also completely dependent.

→ The category includes programs written in conventional lang as C, C++ can be reusable in environment.

→ The second category includes programs written in language which uses runtime or link time functions. and third category as natural, CSP, and oracle frames.

→ The steps to minimize the risk in the legacy management system include as Add the good features which is useful, donot introduce a defect, finish adding features in systematic manner

→ Building a safetynet, adding unit or component
- test and make room for new feature with refactoring, adding features on legacy code, test manually and refactor clean up.

→ legacy system wrappers will increase the reusability and reduce complexity and expenses.

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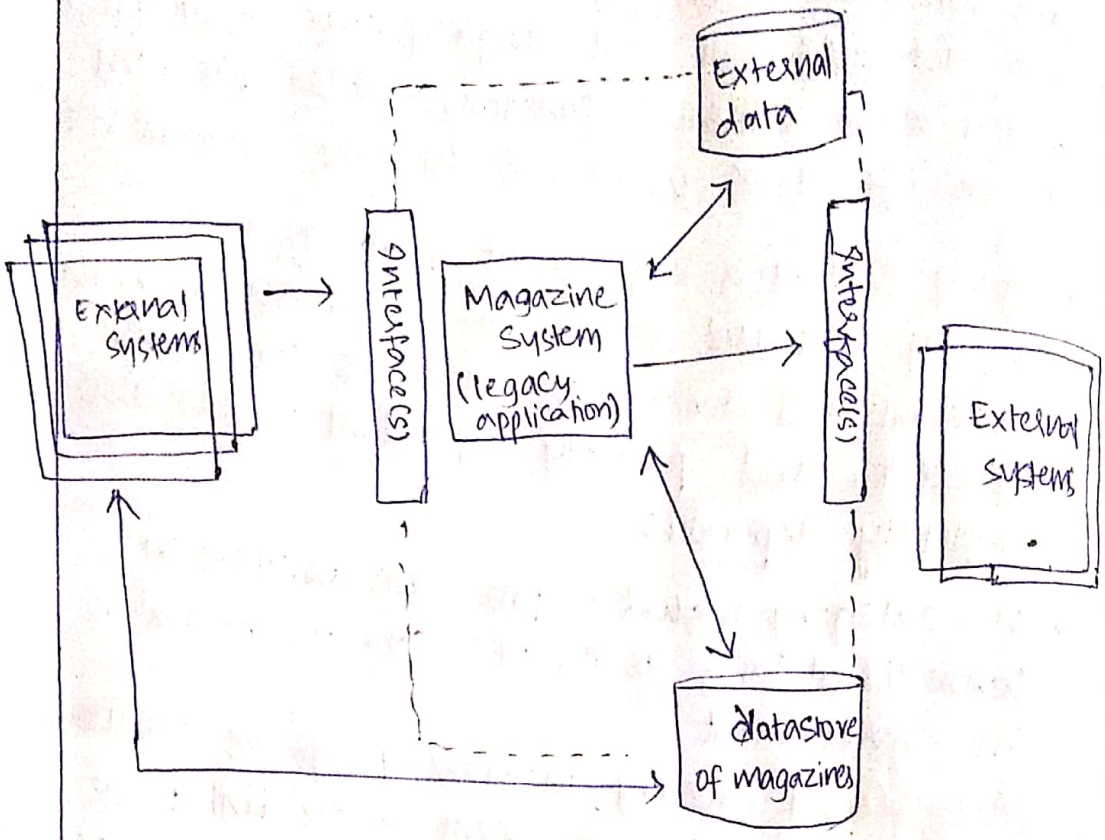
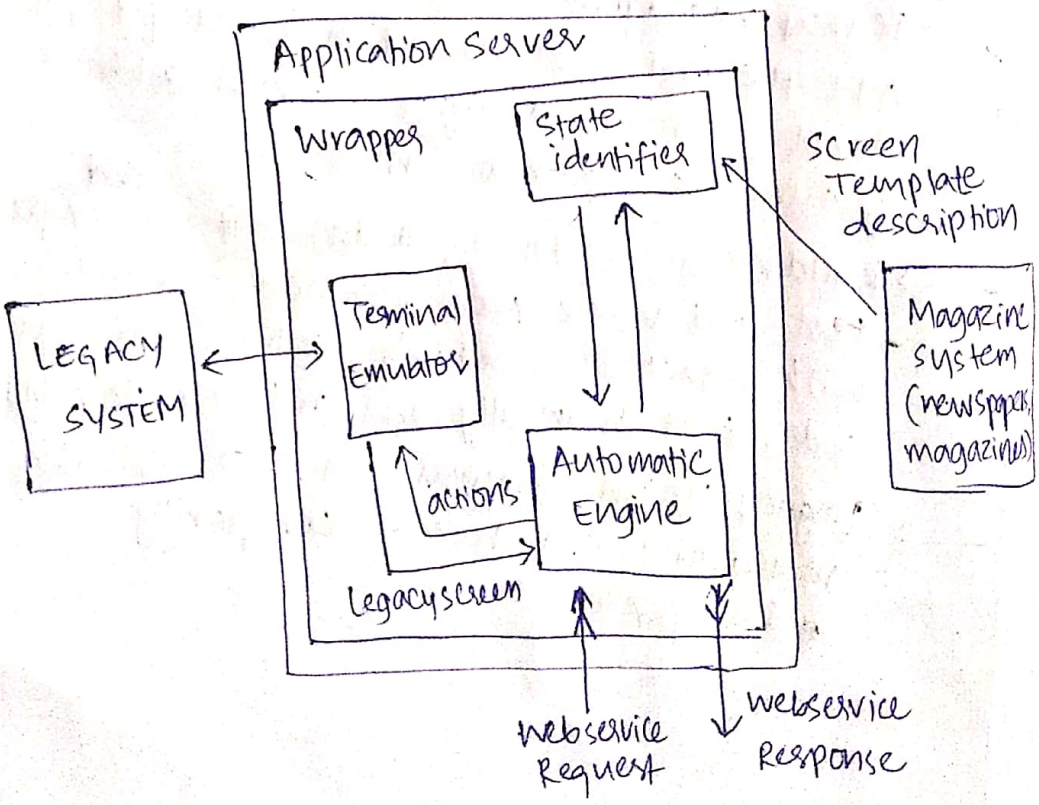
2) BLOCK DIAGRAM OF THE INTERFACE OF LEGACY SYSTEM.:



System Architecture for form-based magazine fulfillment system to a web interface.



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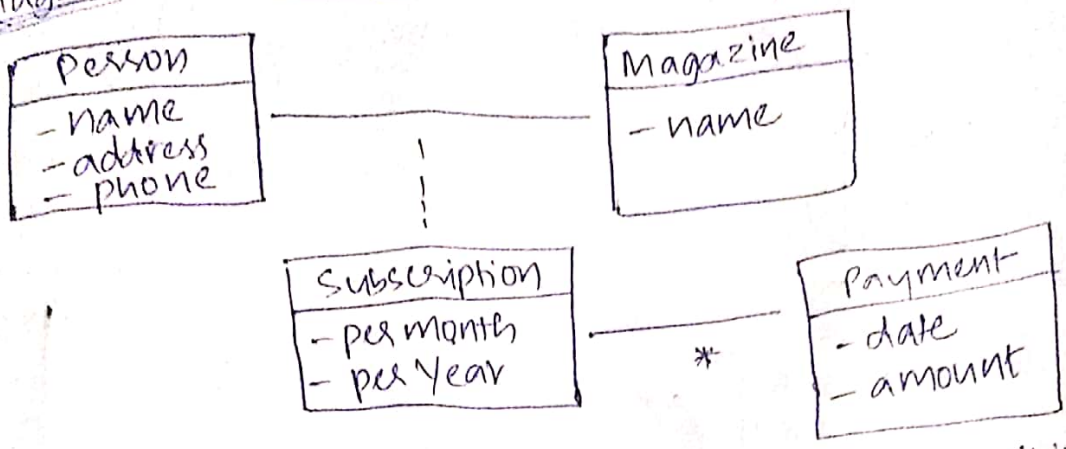
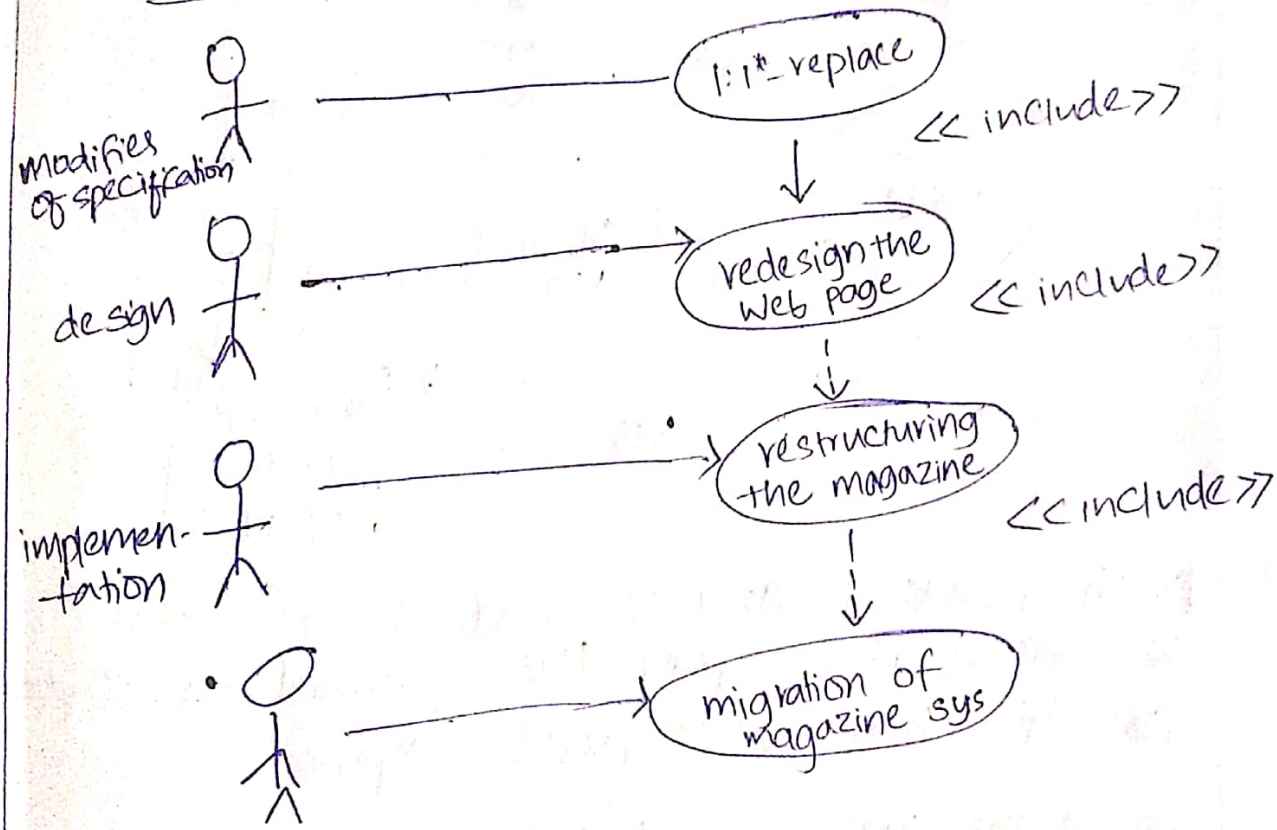
3) UML diagrams.

Magazine subscription:



Remodelling of legacy system without rewriting the code to web based.



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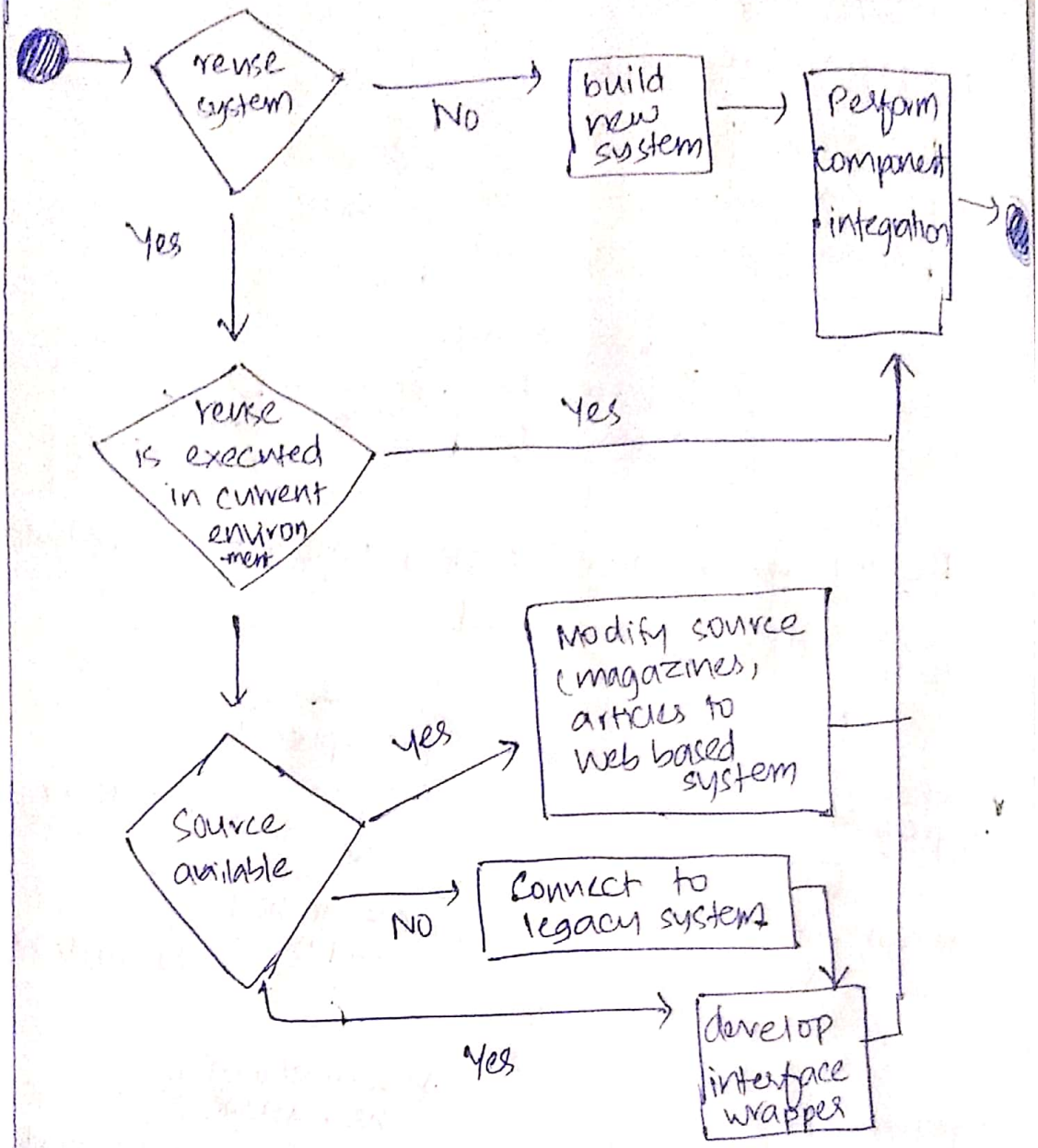

4) push feeds if any to send remainders to customers to pay the annual subscription fees if their subscription is expired.

As in the mass circulation magazine publishers still give vendors a significant discount. To reduce their expenses and so subscription agents are pursuing several courses of action. They are meeting face to face with persons they have identified as managing with troublesome fulfillment centers.

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Vendors have personnel whose function is publisher relations, and these persons meet is with the publishers who contract with the fulfillment centers, explaining the agency / library problems and attempting to work out equitable solutions to problems.

Subscription agency employees who send orders to fulfillment centers have been made aware of maximum length of lines, of the mailing label and make an effort of using an address that center will abbreviate.

The agencies are working toward conveying library orders to fulfillment centers and conforming in every way possible to the requirements of distributor, acceptable address, timely placement orders and check enclosed for correct amount. The subscription agencies need to retain library orders for mass-circulation magazines to ensure economic survival and to work with fulfillment centers and publishers.

End

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