VISVESVARAYA TECHNOLOGICAL UNIVERSITY,BELGAUM 590014



with problem statements and SRS

Submitted By

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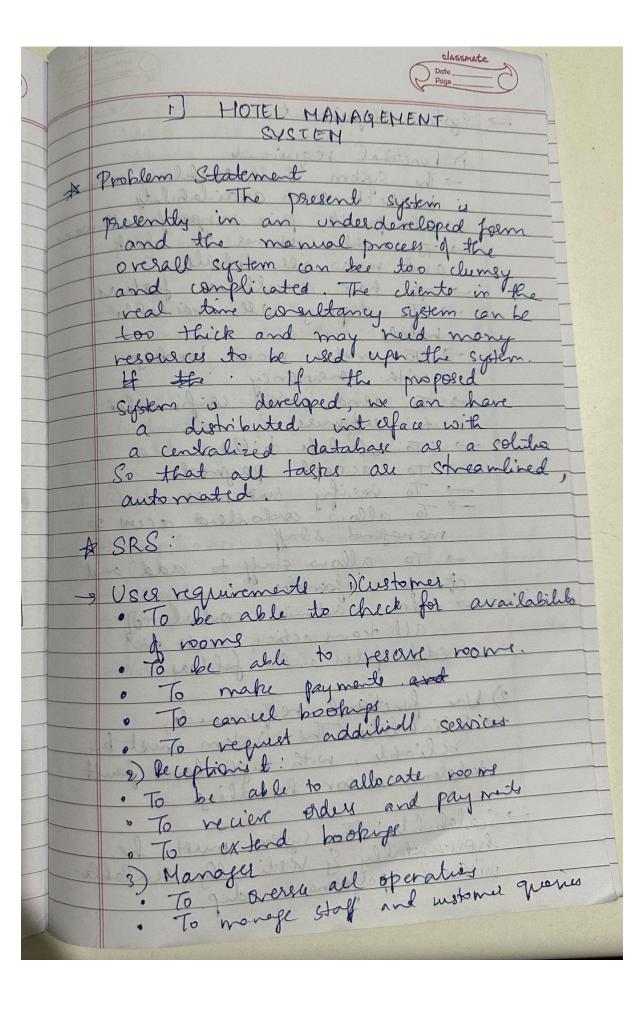
On 27-04-23

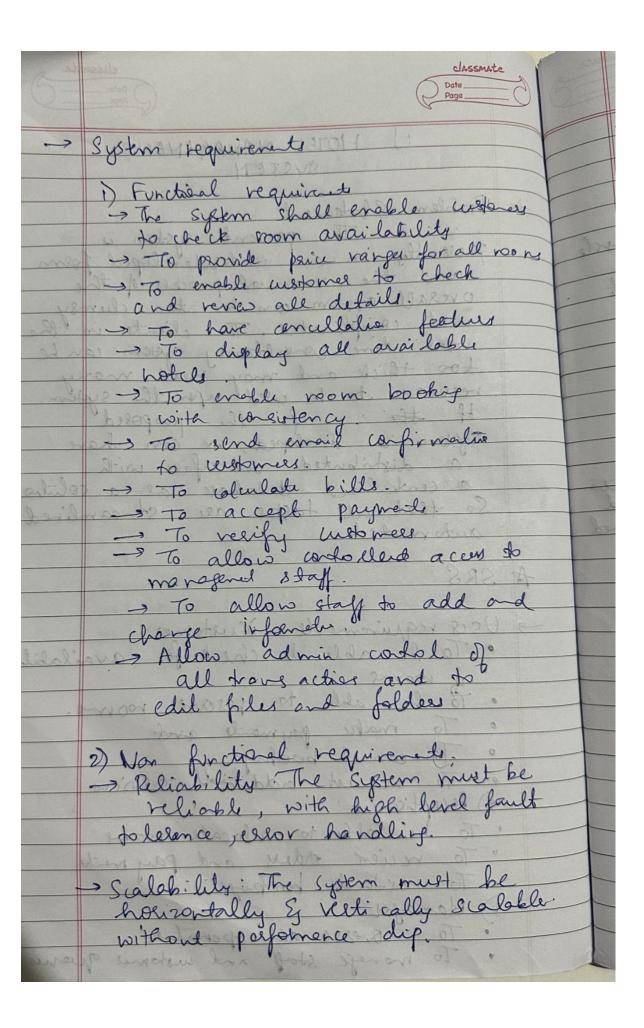
Under the Guidance of

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- compatibility: The system must work with a wide range of systems with bordware & software cof guraties. performance ce the system must be performance ce the system must be performent with faut responses, high throughput 3 Arailability: The system must have miringl downtine and rapid re covery time. Justines for usage for users of all ages and expedise à 3) Domain requirements local and nation -> compliance with laves governing hospitality inde -> compliance with food safety landars for cold processing and data security -Margliance with ACID properties

2] CREDIT CARD SYSTEM Problem Statement
In this day and age,
In this day house are
de the number of purchases are
ever increasing and it is most
ever increasing and it is most
times difficult to know how
times difficult to know how
times difficult to carry whilet
much money to carry whilet
feeling safe from pick pockets. thelps by provides Secure card the transactions. It in chades the Sequence of phases in volved in rate the creation of a credit cord and the usage details of the card owned by the customers. 1) Enstomer.
The customer can select items they intend to purchase.

They series the amount to be paid for the purchases.

They swip the card.

They enter pin.

They enter pin.

Provide Signature,

2) Vendor 2) Vendor

o The vendol can set the amount

o They can generale the bill of System Requirement rele 1) Functional requirements The System must be configurable as to to deposit the money to

The vendos's account

The must accept the card swipe

The must accept amound to be

debited.

The must accept PIN.

The must accept PIN.

The must accept piny.

The must accept piny.

The must accept piny.

The must accept piny. te -> It must general capture exceptions.

-> It must generate reciepte

for customer and vendor

-> Bhility to bounde credentials with a trust of

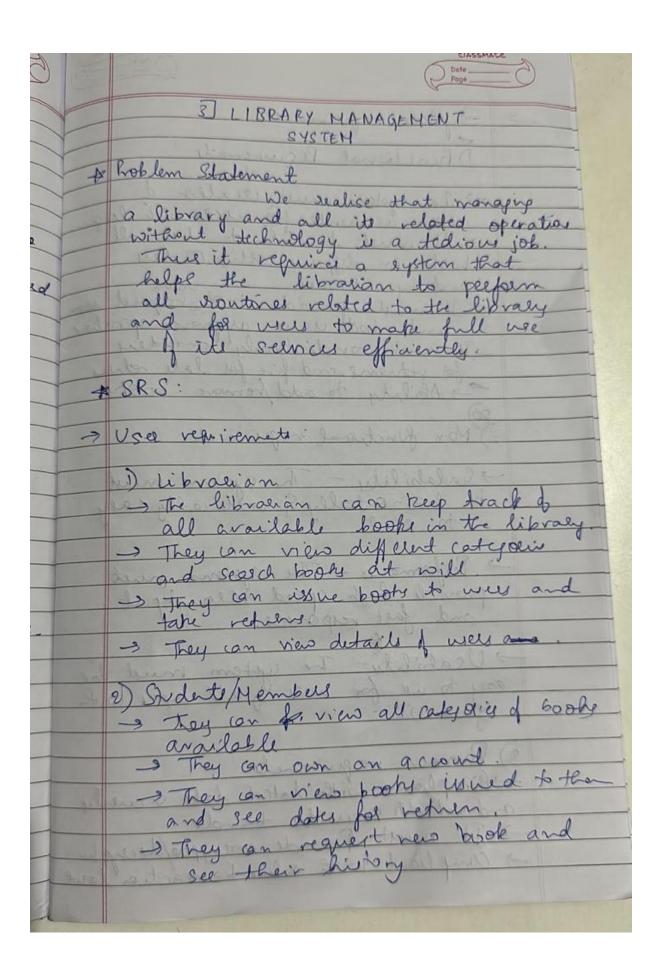
2) Non-functional requirement. De reliability: The system must be reliable, with backup and recovery mechanisms with fault toleran ce Security: The system must be secure, with strong authorication and encryption mechanisms.

Availability: The system must be highly available, with minimal downtine and rapid recovery from failures Prol Maintainability: The system must be easy to maintain and upgrade up date, with clear do cumentities modulor design and well structured cod. 3) Domain requirements It must be compliant with industry standard security regulatives such as PCI-DSS. online travalion land online tradition lands.

The must practice highest livel encryption and data

security.

The must be peopelly wifigured for interfacing and authoritically with bank database and systems. 0/5h5 741 3 Deliga Let



-> System requirements -> The system must related of new accounte for uscle with loging books in difficing sorting Orders and by categories.

The must provide booth request it and booth us we arpprove operations

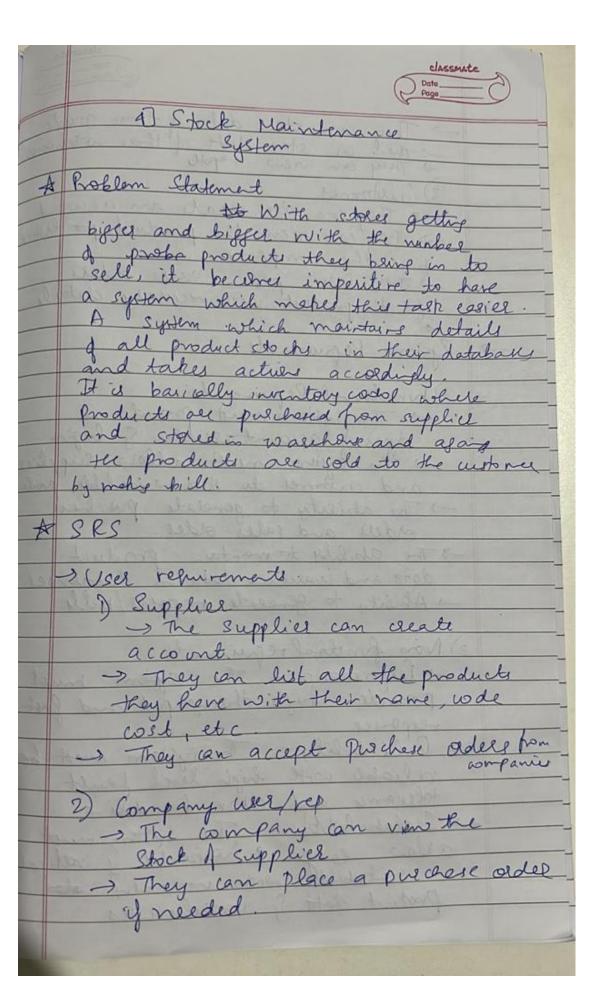
and booth us we arpprove operations

The must provide timely remindery

John returns and fire for late returns

Ability to add fremore booth 2) Mon functional requirements: I Scalability - The system must be howevertally & veetically cary to scale -> Performance - The systems much provide high speed throughput and fast responses. easy to use for uses of all ages with good UI 3) Romain requirement. - Compliance with latest data security and righth scurity trends. -> It must Provide encuptiofdecepto.

-> Compliant with online transaction laws.



They can store date of their washing 3) (ustomes > They can also create an account -> They can view the product por listed by the company. Sales orders for the product with recurally details. System Requirements 1) Functional Requirements The system must praide 3 types of account celetion & login.

The system must allow supplies and customer to show available products - The ability to generate purcher order and sales order. -> The ability to maintain product data and warehouse data in databases. - Ability to generate reports / bill. 2) Non functial requirements -> Performance - The system must provide high throughput and fact -> Reliability - The system must be reliable with high level fault tolerance and clior handling. -> Scalability - The system must allow esty & horizantal & veetical scalability with increasing and product data & warehouses

6=	classmate Date Page
	3) Domain requirered. - > Compliance with The system must have robust so weity deathers to a let increase they data
1	jeather to protect inventory data and present unauthorized access. The must have a use friendly interface. The must allow mobile access so well an manage inventory remotely.

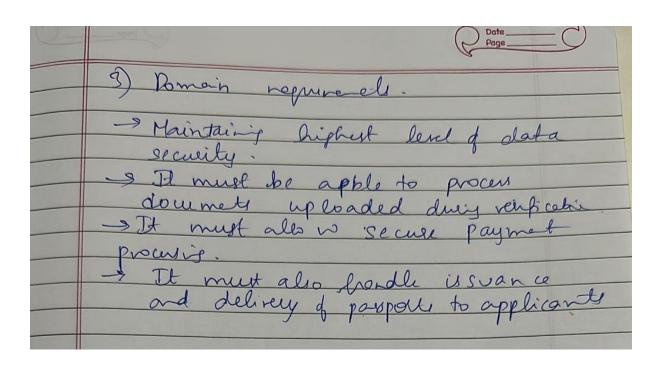
5] Parsport Automation System & Problem Statement There are many its wel with the manual process of paupout ison & dispatching. It repures many trained individuals in the various feld of passot issue, this chance elle and workload is high. It als takes alot of times and they System which automety these operations is of great value A SRS MAN De Uses) Uses > The clustomes can create acrount & -> They an choose the field they need On operation in. I They can fill in folms & upload does

They can perform paynets & check

applicative status & select appointed dates

2) Antholity - They can view all customel regness of service them. They can see history of its was applications & which over der in dispose They can view custo mes folms I perform validabre They can appt paymed & generale reports > System requireme requireness - They't must allow ability to losin. create forms by authoritis of take inputs from austonel - Front must diplay all fields of perport operation available - Frey must ability to track The status of applications by to Their system must baccept payments of I can generall repolt 2) Non finctied requireme - Security - System must be Se we voith story authentication by encuption methanisms.

> Maintainebility — The System must be casy to maintain and update with modules design and well stricked code. -> Reliablit Reliabiles - The system must be highly reliable with fault tolerance & cred handlig Filtre J. Lake J. South Page



6] RAILWAY MANAGEMENT SYSTEM Problem Statement India, with one we growing population there is always also demand for long diotance Services with a large number of traffice Thus the manual process of going there and getting to ckete booked with all the chigage with no certainties ticket availability availebility of departure timings is unthinks. Thus, the motivative to build this system * SRS 1) Isel Requirements:

1) Isel schedule

They can view the schedule

for time details about all drains

They can select trains with the desired compact med & They can then pay for the tickets.

They can track the tickets before a certain time limit 2) Administrator -> They provide litted all trains.
-> They set train schedules
-> They accept reservations of payment > System Requirements Functional requirements.

The system must allow the week to create account g login.

The system must allow admin to provide train but & duplay to.

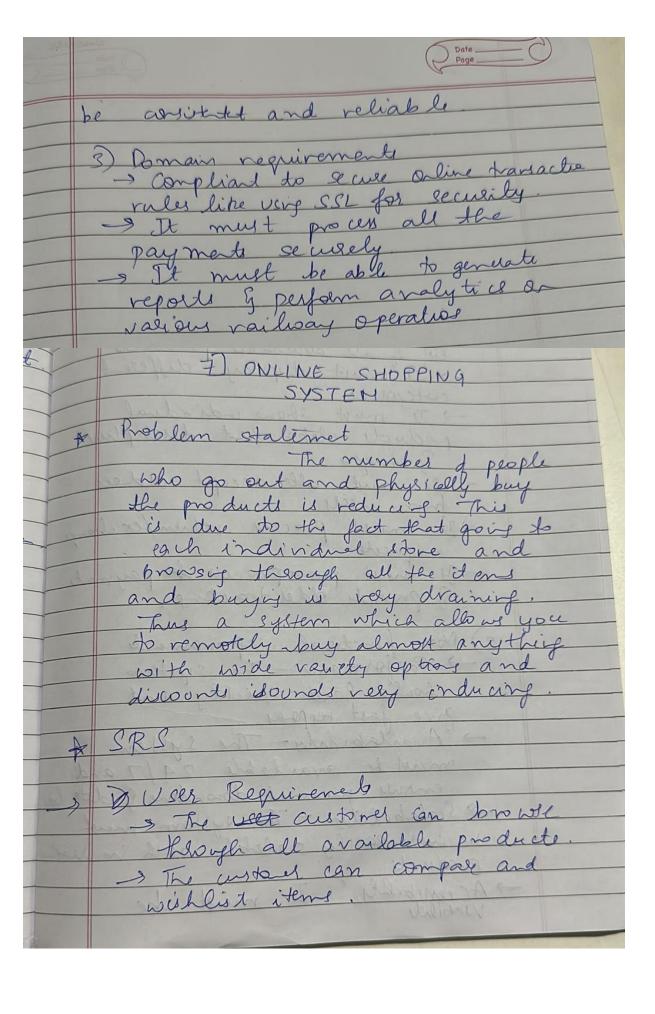
It must allow real time reservations time

The must display schedules

The must process a payments.

The must general bill & tickets. -2) Non fin chieval requirements -> Security - The System must include industry Handard dotta Security mechanisms. Availability - The system must always be up & running. Income A failure the recovery time must be good.

-> Reliability - The data shown must



buy and fielie payment.

They can track order and give ratings perform represe Sy excharge if applicable System sequirements

Directional requirements

The system must display

list of all available products

To must display different - It must show individual products elaborated description I must all accept orders negnests process return/exchange I must promproces le payment 2) Non finctical reprirements

-> Performance - The system should load quickly and give fast responses.

Availability - The system must be available 24/7 and ensury principal downtine & date log - Scalability - The eystern must be into cestly scalable with in creasy products. -> Accepibility - It must be

easy to we for customes of all

aft groups with user friendly VI.

3) Pomain requirement.

3) Compliant with handling
payment & also COD

3) It should mange shipping to by
colculate rate and tracking.

3) It must provide a help cuter
for following support with issues.

3 It must ensure high level

custo red privaty & data security.