Date : \_\_\_\_\_ VIT2501 - Principles of Software Engineering deignment - 2 Preparing structure chart and test suite railway tracking and avoival - By R NITHYASRI Reg No: 3122 22 5002 086 Class: IT - 'B' Structure Chart TRACK AND NOTIFY ADMIN FORWARD PCREDENTIALS INFO TO NEXT **UP.DATE** UPDATE NOITATS DELAY DEPARTURE LOGIN ADMIN DASHBOARD ADMIN Triansaction id REMOVE نمك choice TRAIN UPDATE details TRAIN ADD USER TRAIN INPUT

No. 2, 2024, 2016

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MAST	TERS CHOICE			ARRIVAL	TIME	DELAYED TRAIN	
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The structure chart has 3 main riodules:
D Admin module
2) Station module 3) User module
Admin Module Station Module
* Admin login
information
La Update train schedule  La Remove train details  La Remove train details
Les Remove torain details
 * Track and rectify
L. Update departure time
L. Update departure time L. Update delay L. Information forwarding
Vser Module
* Real-time access
* Notification system * Scheduled access to updates
This gives an overall idea about the structure of the railway system tracking

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•	Now the test suite for the following is designed as follows
<u>T</u> .	UNIT TESTING:
	Admin Module tests:
	Admin login teet: Ensure that admin login is validated and secure.
	Add train test: - Verify if a new train can be added with accurate details
	Update train test: - Check if a train schedule  can be repeated successfully
	Delay information test: - Ensure that a delay repetite accurately stored
	Station Module Test
	Master login test: Validate login coredentials
	Train avoival test: - Ensure correct retrieval of echeduled train times
	Update torain arrival test: - Confirm that  & Station Master can  update train arrival
	& station master can
	time

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	User Module Test:
-	View train avoival tème: - Corvict retrieval of docival tèmes
3	W OUT AC TOTAL
	Alext retorieval system: - Verify delay alerts.
	INTEGRATION TESTING:-
÷ .	Admin and station module integration:
4 .	Data Propagation test intrain Adminto station
	Train détaile update test in real-time.
4	Admin and reser module integration:
*	User access to admin reputate test
	Notéfication Bystem for users on delay test
<del>(</del>	Station and reser module integration:
	Test real time avoiral repeates for users.
	System Testing :-
	Test login and Authentication
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	Test real time delay tracking
	0 0
	Test system render heavy load.
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	Escample:-
	Test Name :- Add train details
	Test steps:-
- ·	EXPECTED RESULT
<del>-</del> , - <u>-</u>	Le Login as Admin Train détails
<u> </u>	Ly Enter train details Saved successfully and are accessible.
_ 	and are accessible.
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