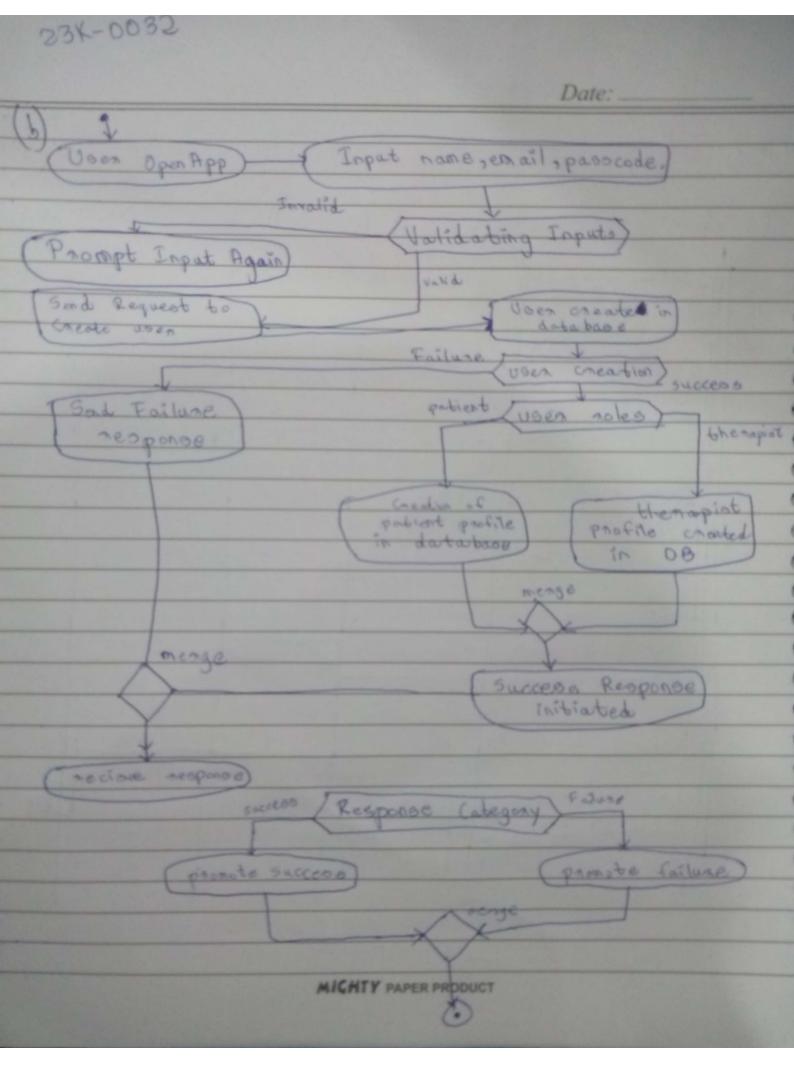
FSE Assignment 23K-0032 Date: MarkeDB - Inform Student (Date, Syllaho) Pregaration of _ make copies of to bo instructor hive Paper & Gol to T.A - Assestment Rebush checked papers he cond Monks neturn graded PAD ENTS MICHTY PAPER PRODUCT



| 23K-6032 |
|---|
| Date: |
| (05) |
| |
| 1) tight coupling between encayption module & UI |
| Problem: DI is highly integrated with encryption logics so any changes to encryption causes unneccessary changes in the UI. |
| + Consequences:- |
| Security: - delays in updating encryption due to UI dependencesies can leave the system expreed to risk. |
| > Maintaince: + even minor updates will require |
| |
| 2) low Cohesian in notification module |
| o) Problem: - Bracking delivery status, managment of of push moti notifications and an addressing encryption errors. |
| ·) Consequences: |
| |
| -> Risks: - encryption failure may go unnoticied if logged alongside |
| ingelevant data. |
| |
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23K-6032 Date: _ notification and could disrupt encryption ennon reporting. 3) Monolithic logging system: 3 Problem: - Security log and uses activity logs are combined without separation. ·) Consequences:-> Security attacks: hinders the ability to track security breaches.
> Compliance: fails to meet the principle of separating duties. 4) Morolithic architecture design:) Problem: every application component runs within a single process. ·) Consequences: - System weakness: a breach in any component compromise the whole system. - System vulnerability: a failure in one module con onosh the entine application. MICHTY PAPER PRODUCT

| | Date: | |
|-----------------------|-------------------------------------|---|
| Sammay: | | |
| Problem | | |
| 1 70 D(ep) | | |
| Tight Coupling | UI acryption | pakeker, kyh |
| Low Cohesino | Low cohesian in notification module | Unreliable errors |
| Axed Responsibilities | Mono lithic legging | Compliance falore Charles Charles of December 1 |
| 03) 2) Presentation | | multiple changes on ennous. |
| + home page | page - pa | thentication assice |
| - Donation | page - de | enation against |
| -> View Don | agment - ver | ni fication service |
| | | |

23K-0032 Date: Base layer 3) Data Access Cayen. - Usea login repositing Donation Database Post repository - NGO repository - Donation repository NGO database Presentation layes Donation login/negisten Home Page I view Profile post managment API Callo Bussiness/Application Layer Authentication Verification Post Fraud Donation SENVICE Service Service Debection Service Pata Request Acess Laye Data NGO Poot Login Donation Repo Repo Repo Query / Update Base layer Pata P6] [1160 Constion OB Usen DB MICHTY PAPER PRODUCT

23K-0032 Date: -(Q4) For Metro City's Smart Traffic Management System, Layened architecture is best do to it structured, modular and scalable design. There are several to select this architecture which are gives below: 1) Scalibility: The layered approach gives independent scaling for each component Additional layers can be implemented without modifying others. 2) Reuseability: Components within each layer can be neused across different 3) Security: Sensitive information is isolated within specific layers. 4) Modularity: The modular nature of layered architecture simplifies debugging and besting.
Testing of individual layers want affect others. MICHTY PAPER PRODUCT

