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Credit cand processing system Problem statement: Develop a cred system to process credit cards, authenticate the user and perform waneactions. Functional requirements \* Should identify the card through the chip and verify the validity of the card by accoming the database of the credit could provider. \* Authenticate the user through the PIN. \* Perform transactions and transfer credit from the account of the user to that of the vendor \* Invalidate the transaction and in case of invalid PIN. \* The system should signal the credit cand provider to block the card in case of multiple wrong entires. \* In case of invalid and the police should be informed about an attempt of a scam-\* suitable evedit could discounts be applied during transactions. \* The database of the creat card provider should be accessed and the credit limit and the credit spent should be displaye Non-functional requirements \* An easy to understand user interface. \* Requires less power to function \* In case of system failure mid- transaction,

the darabases must be reverted back to their previous states card \* Faster transactions and validations \* Secure and enerypted transactions. \* Audio responses to assist visually impain \* Lights to help see the \* E-veceipt generation by entering amail (To save paper) Domain requirements \* Can perform prairiactions with multiple evedit card providers and banks \* The software can be installed on a multitude of card readers. \* Conform to local ifinguial rules and regulations -V of Minoral Design constagniti Cal. \* Must we state of the and security in transaction \* Mult protect was information and be able to connect wing dambases of popular banks Preliminary schedule and bugget \* The project is estimated to take 4 months complete. \* Estimated budget: \$ 5,00,000 S.R.S! \$ 60,000 Development: \$3,40,000 Testing & validation: \$1,00,000 hicensing = \$50,000

Deployment & maintenance: \$59,000