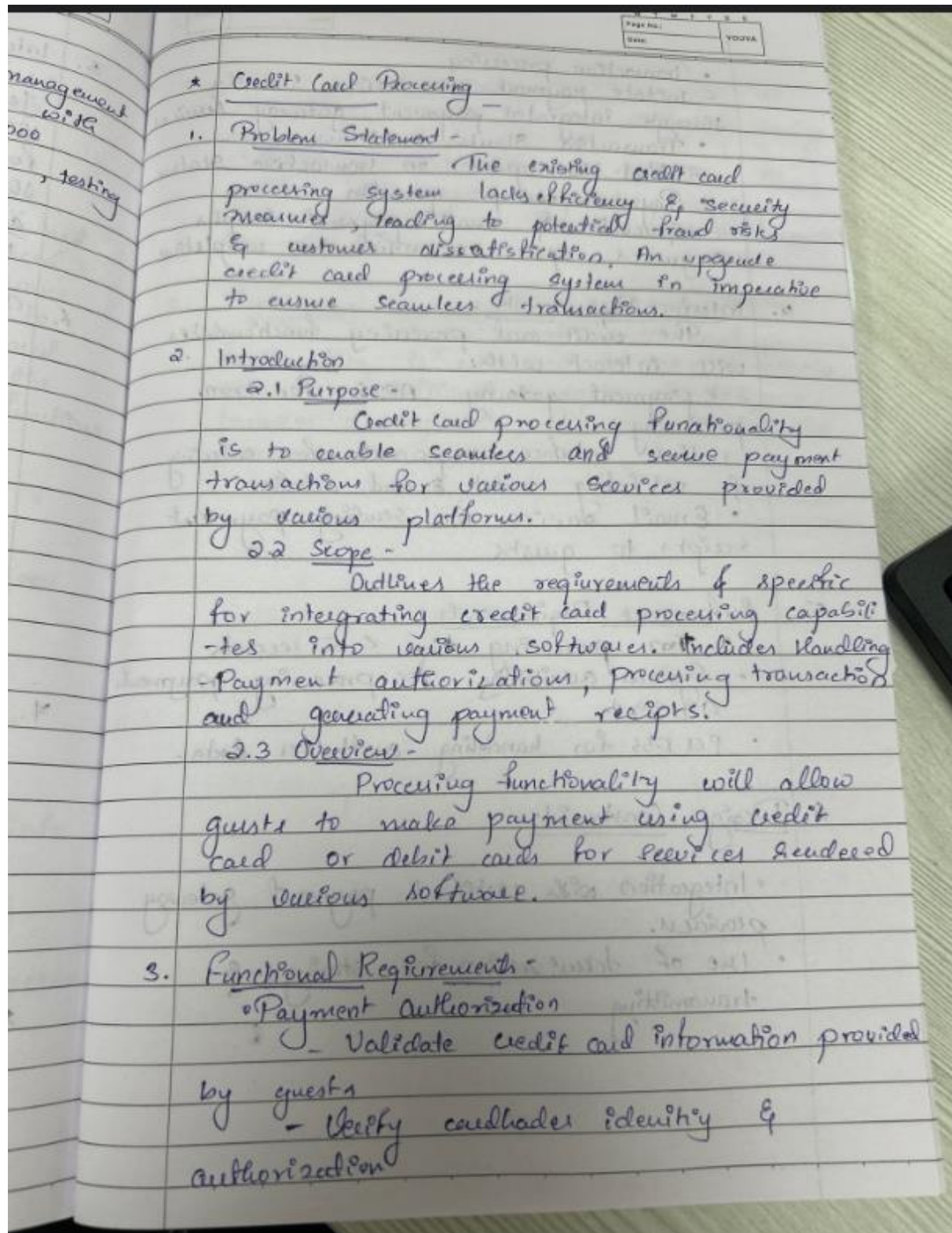


Credit card



- Transaction processing
 - Initiate payment transactions securely through integrated payment gateway
 - Transaction status monitoring
 - Real-time updates on transaction status
 - Payment receipt generation
 - Generate & email payment receipts to guests upon successful txn completion

4. Interface Requirements

The credit card processing functionalities will interact with:

- payment gateway API's for tran. processing
- User interface components for entering & validating credit card details.
- Email Service for sending payment receipts to guests

5. Performance Requirements

- Txn processing time < 5 seconds
- System availability for processing payment 99.99%
- PCI DSS for handling cardholder data.

6. Design Constraints

- Integration with certified payment gateway provider.
- Use of tokenization for storing & transmitting

1. Non-Functional attributes

- Security: Encrypt of credit card data during transmission & storage
- Reliability: Fault-tolerant architecture to ensure uninterrupted payment processing.
- Compliance: Adhere to PCI DSS requirements for data security.

2. Preliminary Schedule & Budget

The integration of credit card processing functionality is estimated to take 2 months with an additional budget of \$20,000. Includes development, testing & certification process.

