(1) Feporting on transactions, refunds 3. Functional Requirements
(1) Gredit Carol Validation - The system must validate card numbers, expiration dates, and (1) Payment Processing - Suppost for
one time and recurring payments
(1) Refunds and Chargebacks - Type
system must allow for
refunds and marge chargebacks
efficiently
(1) Fraud Detection - Real time trand detection using predefined (1) Transaction Reporting - Petanled reports on transaction history for merchants 4. Interface Requirements
(1) Merchant interface-Merchants will be able to process payments and view transaction history. 1.) Customer interface - Customers will enter Their credit card details to make merchant settings, front warage reporting tools.

() Bank integration— The system mud

DATE: PAGE: integrate, with various banks and payment processors for transaction processing 5 Performance Requirements
The system must support up to
I million daily transactions Response
times for payment processing should be
under 2 seconds. I ransaction data
must be processed and stored in
real time 6. Design Contraint

The system must comply with

all regulations for secure boundling

of cardbolder data. Integration be seamless requiring minimal changes
to external systems. The system
Sould support multiple currencies
and payment methods. 7. Non-Functional Attributes
(1) Security - All senitive data must
be encrypted be encrypted

(.) Scalability - The system must scale
horizontally to accomodate growing
transation volumes

(.) Availability - The system must be
available 99.99. Not the - lim, with
a backup and disaster recovery
plan in place

S Dalmany Schoolule & Budget
The estimated project duration
with a total

high of 730,000 DATE: