School Of Computer Science and Engineering
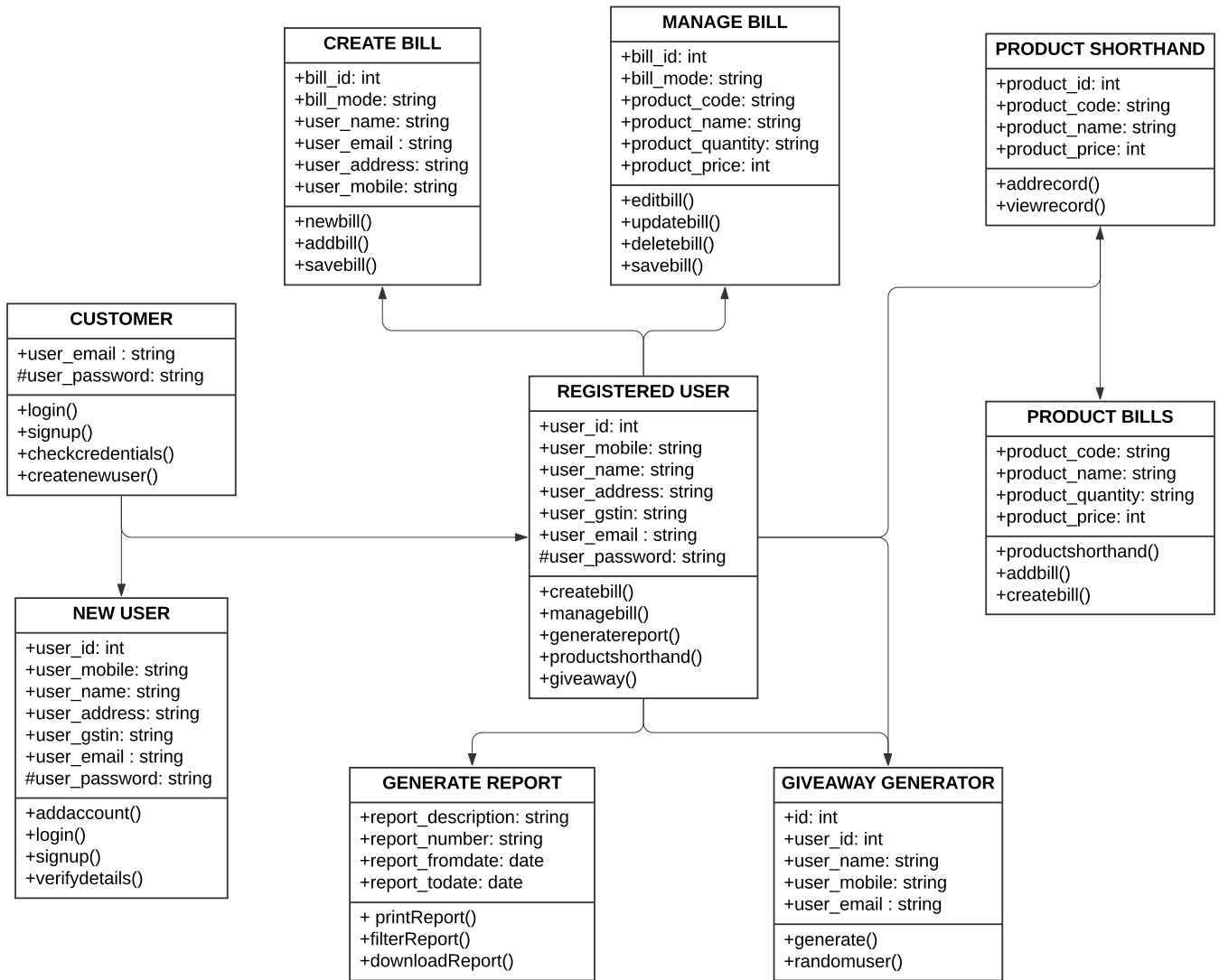*VIT-AP UNIVERSITY, INAVOLU, AMARAVATI*

CSE1005 : SOFTWARE ENGINEERING

Web based Billing Software (WBS)

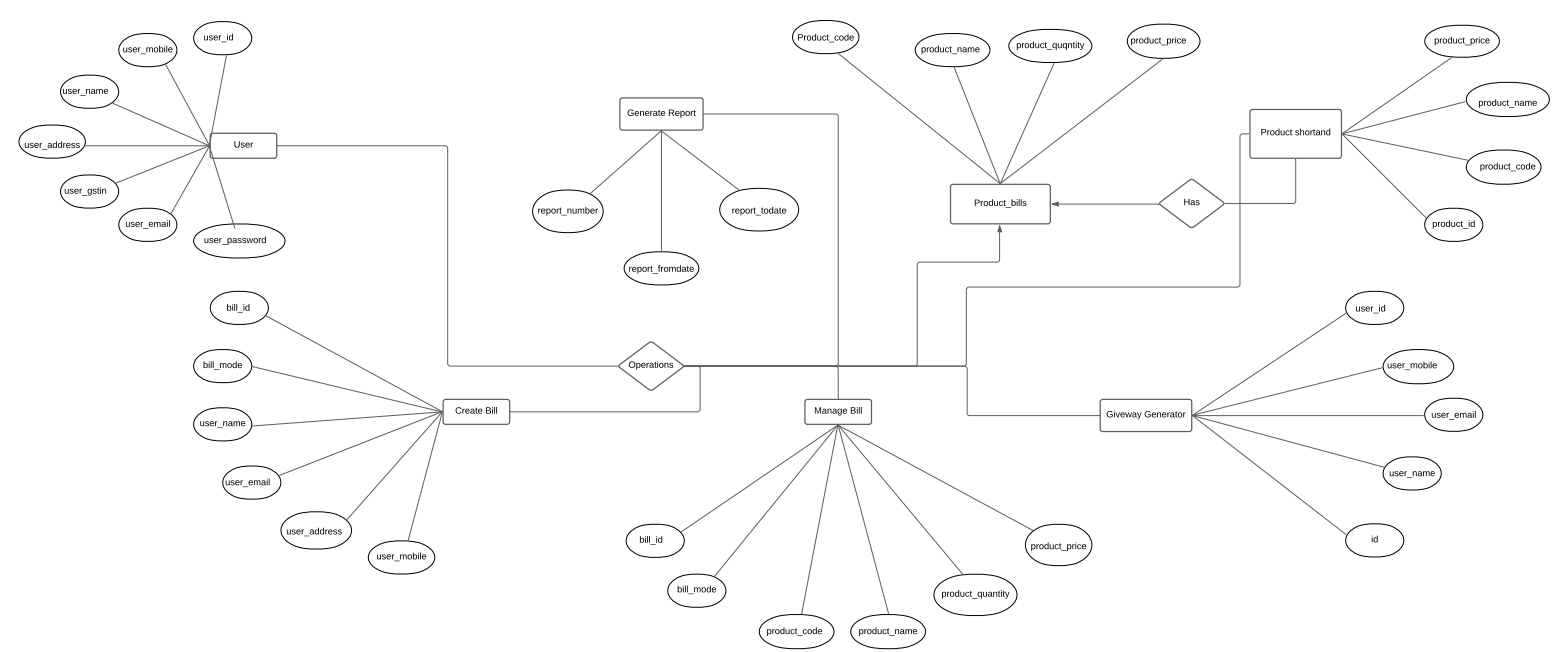## Team Members

1. Gudi Varaprasad **-** 19BCE7048 (Team Lead)
2. S S V M Harshith Kanigalpula **-** 19BCE7349
3. Abhipray Adhik Chavan **-** 19BCN7062
4. Talasila Sri Harsha **-** 19BCE7490
5. Pramodini Nandigam **-** 19BCN7037

WEB BASED BILLING SOFTWARE

CREATE BILL

+bill_id: int
+bill_mode: string
+user_name: string
+user_email : string
+user_address: string
+user_mobile: string

+newbill()
+addbill()
+savebill()

MANAGE BILL

+bill_id: int
+bill_mode: string
+product_code: string
+product_name: string
+product_quantity: string
+product_price: int

+editbill()
+updatebill()
+deletebill()
+savebill()

PRODUCT SHORTHAND

+product_id: int
+product_code: string
+product_name: string
+product_price: int

+addrecord()
+viewrecord()

CUSTOMER

+user_email : string
#user_password: string

+login()
+signup()
+checkcredentials()
+createnewuser()

REGISTERED USER

+user_id: int
+user_mobile: string
+user_name: string
+user_address: string
+user_gstin: string
+user_email : string
#user_password: string

+createbill()
+managebill()
+generatereport()
+productshorthand()
+giveaway()

PRODUCT BILLS

+product_code: string
+product_name: string
+product_quantity: string
+product_price: int

+productshorthand()
+addbill()
+createbill()

NEW USER

+user_id: int
+user_mobile: string
+user_name: string
+user_address: string
+user_gstin: string
+user_email : string
#user_password: string

+addaccount()
+login()
+signup()
+verifydetails()

GENERATE REPORT

+report_description: string
+report_number: string
+report_fromdate: date
+report_todate: date

+ printReport()
+filterReport()
+downloadReport()

GIVEAWAY GENERATOR

+id: int
+user_id: int
+user_name: string
+user_mobile: string
+user_email : string

+generate()
+randomuser()

Class Diagram

WEB BASED BILLING SOFTWARE

User
- user_mobile
- user_id
- user_name
- user_address
- user_gstin
- user_email
- user_password

Generate Report
- report_number
- report_fromdate
- report_todate

Product_bills
- Product_code
- product_name
- product_quqntity
- product_price

Product shortand
- product_price
- product_name
- product_code
- product_id

Has

Operations

Create Bill
- bill_id
- bill_mode
- user_name
- user_email
- user_address
- user_mobile

Manage Bill
- bill_id
- bill_mode
- product_code
- product_name
- product_quantity
- product_price

Giveway Generator
- user_id
- user_mobile
- user_email
- user_name
- id

Entity Relationship Diagram

WEB BASED BILLING SOFTWARE

bills Table   (Create Bill, Manage Bill, Generate Report, Giveaway Generator)

id	user_id	bill_id	mode	cust_name	cust_addr	cust_mob	cust_email	prod_code	prod_quantity	prod_price	date

details Table   (Sign Up, Login)

id	name	email	mobile	Password	gst

products Table

id	user_id	code	prod_name	price

(Product Shorthand)

ER to Relational Mapping