Proposal

MANELL (make'n Sell)

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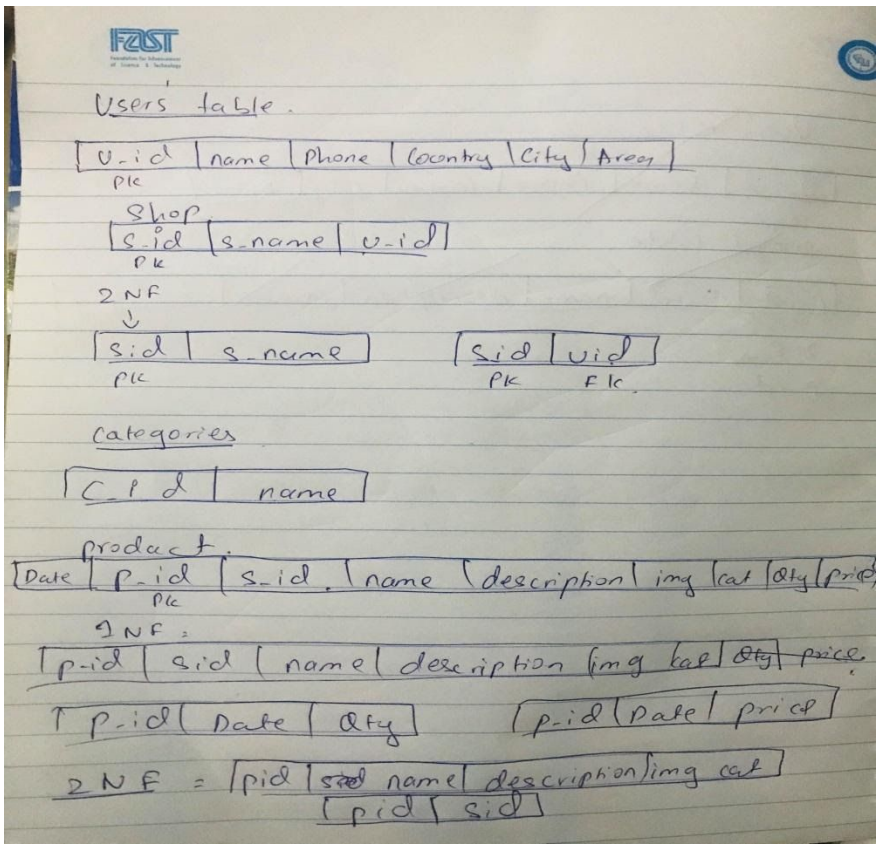
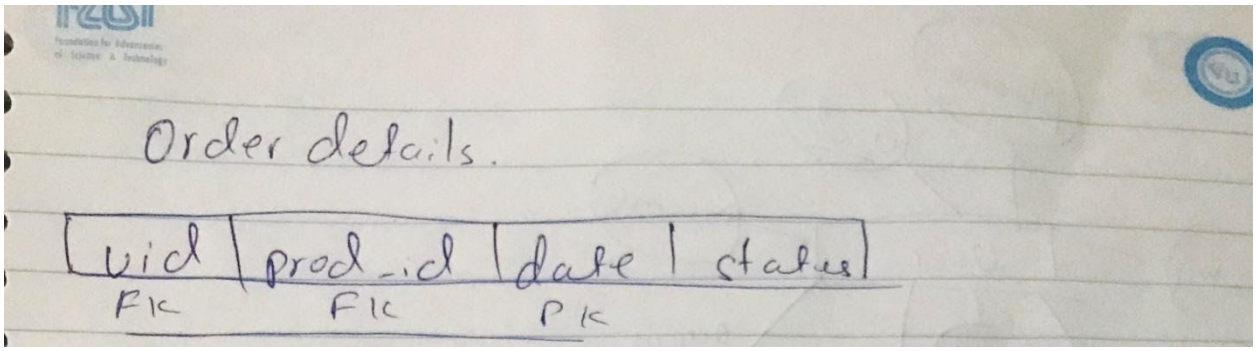
Overview

Manell will be a web based product, providing flexibility to people running home based business. webs based tech product will bring all the home based business in one platform and help them grow. The business owners can be provided with an opportunity to market and exhibit their product to a wider audience. Through this app, buyers will place their orders through the app/website. Sellers on the other hand will be given enough time to prepare the order. The order will be delivered through the company's rider or business owner's personal riders. The payment will be made through cash on delivery/credit.





Functionalities:

1. Sign-up.
2. Login.
3. Register shop
4. View products
5. Add to cart.
6. View order details.
7. View order history.
8. View inventory.

Technologies:

Backend:

1. My sql.
2. Javascript.
3. Nodejs.
4. Express.
5. ETS.

Frontend:

1. HTML.
2. CSS.
3. Bootstrap.

3. IMPLEMENTATION PHASE:

Create tables:

Categories:

```
CREATE TABLE IF NOT EXISTS `manell`.`categories` (
  `idCategories` INT NOT NULL,
  `name` VARCHAR(80) NOT NULL,
  PRIMARY KEY (`idCategories`),
  UNIQUE INDEX `idCategories_UNIQUE` (`idCategories` ASC) VISIBLE,
  UNIQUE INDEX `name_UNIQUE` (`name` ASC) VISIBLE)
ENGINE = InnoDB
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

Product Details:

```
CREATE TABLE IF NOT EXISTS `manell`.`product_detail` (
  `pid` INT NOT NULL AUTO_INCREMENT,
  `name` VARCHAR(255) NOT NULL,
  `description` VARCHAR(280) NOT NULL,
  `img` VARCHAR(300) NOT NULL,
  `prod_cat` INT NOT NULL,
  `price` INT NOT NULL,
  PRIMARY KEY (`pid`),
  UNIQUE INDEX `pid_UNIQUE` (`pid` ASC) VISIBLE,
  INDEX `cat_idx` (`prod_cat` ASC) VISIBLE,
  CONSTRAINT `cat`
    FOREIGN KEY (`prod_cat`)
    REFERENCES `manell`.`categories` (`idCategories`))
ENGINE = InnoDB
AUTO_INCREMENT = 45
DEFAULT CHARACTER SET = utf8mb4
```

Shop name and id details:

```
CREATE TABLE IF NOT EXISTS `manell`.`shop_shop` (
  `sid` INT NOT NULL AUTO_INCREMENT,
  `shop_name` VARCHAR(45) NOT NULL,
  PRIMARY KEY (`sid`),
  UNIQUE INDEX `index_n0_UNIQUE` (`sid` ASC) VISIBLE,
  UNIQUE INDEX `shop_name_UNIQUE` (`shop_name` ASC) VISIBLE)
ENGINE = InnoDB
AUTO_INCREMENT = 52
DEFAULT CHARACTER SET = utf8mb4
COLLATE = utf8mb4_0900_ai_ci;
```

shop_product details:

```
CREATE TABLE IF NOT EXISTS `manell`.`shoprod` (
  `prodid` INT NOT NULL,
  `shopid` INT NOT NULL,
  UNIQUE INDEX `prodid_UNIQUE` (`prodid` ASC) VISIBLE,
  INDEX `shopid_idx` (`shopid` ASC) VISIBLE,
  CONSTRAINT `prodid`
    FOREIGN KEY (`prodid`)
    REFERENCES `manell`.`product_detail` (`pid`),
  CONSTRAINT `shopid`
    FOREIGN KEY (`shopid`)
    REFERENCES `manell`.`shop_shop` (`sid`))
```

User details:

```
CREATE TABLE IF NOT EXISTS `manell`.`shop_user` (
  `shop_id` INT NOT NULL,
  `user_id` INT NOT NULL,
  PRIMARY KEY (`shop_id`),
  INDEX `user_id_idx` (`user_id` ASC) VISIBLE,
  CONSTRAINT `shop_id`
    FOREIGN KEY (`shop_id`)
    REFERENCES `manell`.`shop_shop` (`sid`),
  CONSTRAINT `user_id`
    FOREIGN KEY (`user_id`)
    REFERENCES `manell`.`user` (`U_id`))
```

shop_product details:

```
CREATE TABLE IF NOT EXISTS `manell`.`shoprod` (
  `prodid` INT NOT NULL,
  `shopid` INT NOT NULL,
  UNIQUE INDEX `prodid_UNIQUE` (`prodid` ASC) VISIBLE,
  INDEX `shopid_idx` (`shopid` ASC) VISIBLE,
  CONSTRAINT `prodid`
    FOREIGN KEY (`prodid`)
    REFERENCES `manell`.`product_detail` (`pid`),
  CONSTRAINT `shopid`
    FOREIGN KEY (`shopid`)
    REFERENCES `manell`.`shop_shop` (`sid`))
```

Order details:

```
CREATE TABLE IF NOT EXISTS `manell`.`order_details` (
  `uid` INT NOT NULL,
  `pid` INT NOT NULL,
  `date` DATETIME NOT NULL,
  `qty` INT NOT NULL,
  PRIMARY KEY (`uid`, `pid`, `date`),
  INDEX `pid_idx` (`pid` ASC) VISIBLE,
  CONSTRAINT `pid`
    FOREIGN KEY (`pid`)
    REFERENCES `manell`.`product_detail` (`pid`),
  CONSTRAINT `uid`
    FOREIGN KEY (`uid`)
    REFERENCES `manell`.`user` (`U_id`))
```

Insert shop_data procedure:

```
USE `manell`$$
CREATE DEFINER=`new_user`@`%` PROCEDURE `insert_data_shop`(
  IN shopname VARCHAR(50),
  In  U_id int)
BEGIN
   declare shop_id int  DEFAULT 0;

   START TRANSACTION;
   -- Insert account data
   INSERT INTO shop_shop(shop_name)
   values (shopname);

   -- get account id
   SET shop_id = LAST_INSERT_ID();

   -- insert phone for the account
   IF shop_id > 0 THEN
         INSERT INTO shop_user(shop_id, user_id)
      VALUES(shop_id, U_id);
      -- commit
      COMMIT;
    ELSE
         ROLLBACK;
   END IF;
END$$
```

Insert shop_product details procedure:

```
DELIMITER $$
USE `manell`$$
CREATE DEFINER=`new_user`@`%` PROCEDURE `insert_shop_product`(
in uid int
  )
BEGIN
 declare shopid int default 0;
 declare prodid int default 0;
   START TRANSACTION;

select shop_id into @shop_id from shop_user where user_id=uid;
  set shopid=@shop_id;

  SET prodid = LAST_INSERT_ID();


    IF prodid > 0 THEN
        INSERT INTO shoprod(prodid,shopid)
      VALUES(prodid, shopid);
      -- commit
      COMMIT;
        ELSE
        ROLLBACK;
END IF;
END$$
```

Queries:

```
"select * from product_detail where prod_cat=( select idCategories from
categories where name=?);
```

```
  "SELECT * FROM user WHERE Email= ? AND password = ?",
```

```
"call insert_data_shop(?, ?)";
```

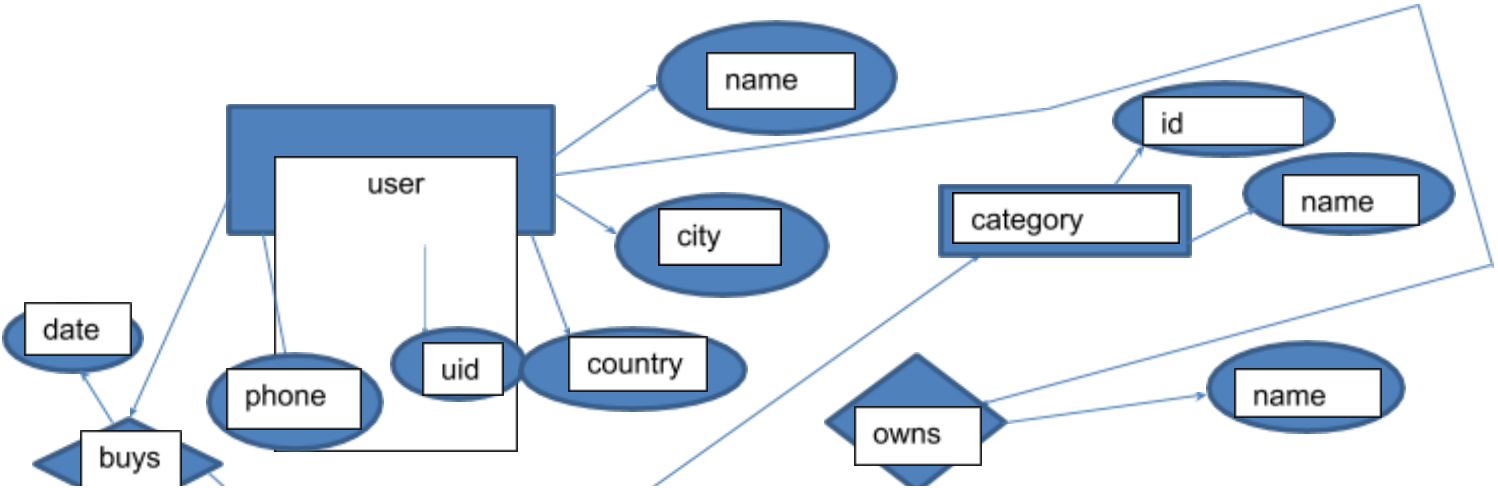
```
"select idCategories from categories where name = ?";
```

```
 `INSERT INTO product_detail (name, description, img, prod_cat, price )
VALUES ('${name}', '${desc}','${pic}','${cat}','${price}' )`,

`INSERT INTO order_details (uid,pid,date,qty) VALUES ('${uid}',
'${pid}','${created}','${qty}' )`

`INSERT INTO user (Name, Phone, password, Country, city,  Email ) VALUES
('${name}', '${phone}','${pass}','${country}','${city}',  '${email}' )`;
```

ER Diagram: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