THAPAR INSTITUTE
OF ENGINEERING & TECHNOLOGY
(Deemed to be University)

Project Report
Information Management System
UCS304

Invoice and GST Return Generation System

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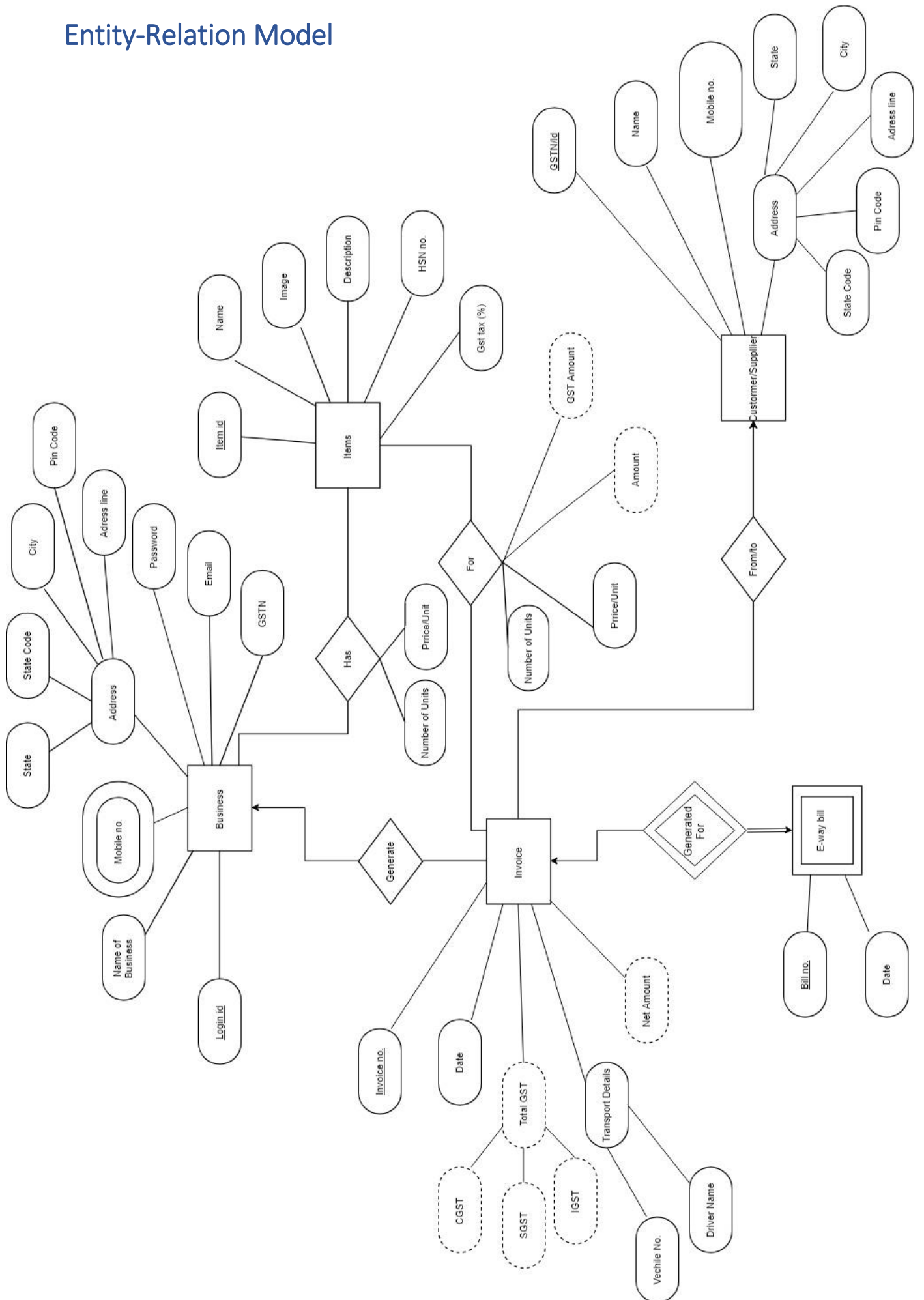Hanish Kumar   101795002

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Introduction

In this project we are building a system for Enterprises/Businesses to generate invoices easily. With the introduction of GST, a lot of problem is being faced by businesses to generate invoices and returns. They need to pay a lot for that. So, we are developing a web-based system where businesses can register and generate invoices. They can manage their Customers/Suppliers and Items through our website. Also, GST returns will be automatically generated from sale and purchase details with a single click. The system will also allow them to analyze their sales/purchases and profits.

Features

- Online Registration of Businesses
- Manage product and customer details
- Generating Invoices
- Add Inward supply bills
- View and manage previous sales/purchase
- Calculation of total sales/Purchases
- Generation of GST returns

Entity-Relation Model
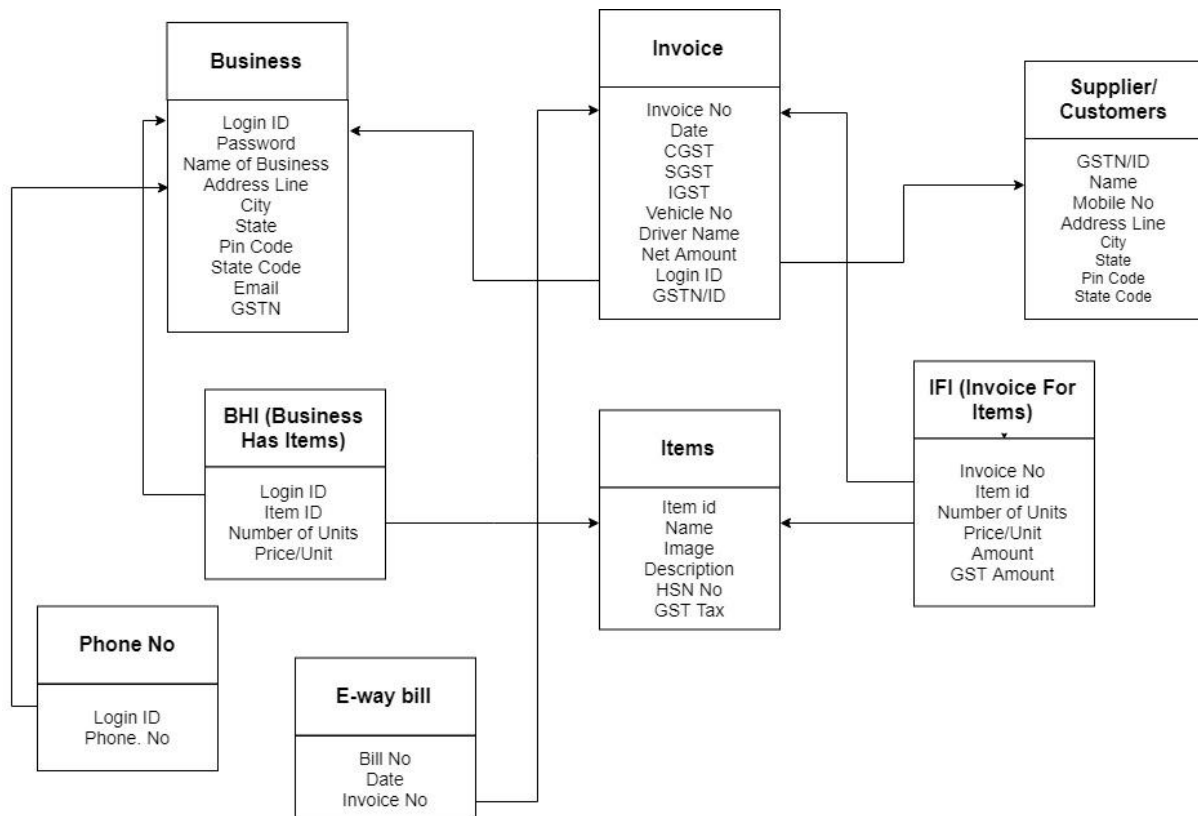
Description

- There are many businesses associated with our system.
- Each business has some items.
- Each business is associated with a set of customers/Suppliers
- When items are sold to a customer invoice is generated.
- When items are purchased from a supplier, the invoice details are entered on the portal.
- A eway bill is generated for some invoices.

Un-Normalized Tables

Normalized tables

City
- Pin Code
- City
- State Code

State
- State Code
- State

Business
- Login ID
- Password
- Name of Business
- Mobile No.
- Address Line
- Pin Code
- Email
- GSTN

Invoice
- Invoice No
- Date
- CGST
- SGST
- IGST
- Vehicle No
- Driver Name
- Net Amount
- Login ID
- GSTN/ID

Supplier/ Customers
- GSTN/ID
- Name
- Mobile No
- Address Line
- Pin Code

BHI (Business Has Items)
- Login ID
- Item ID
- Number of Units
- Price/Unit

Items
- Item id
- Name
- Image
- Description
- HSN No
- GST Tax

IFI (Invoice For Items)
- Invoice No
- Item id
- Number of Units
- Price/Unit
- Amount
- GST Amount

Phone No
- Login ID
- Phone. No

E-way bill
- Bill No
- Date
- Invoice No