

CSE1005 SOFTWARE ENGINEERING LABORATORY

ONLINE BILLING SOFTWARE

PREPARED BY

GONUGUNTLA ROHINI-20BCD7174(Team Lead)

PRATHAPANI SATWIKA-20BCD7160

MEKALA POORNIMAI-20BCD7167

TUNGALA SAARVARI-20BCD7057

GODUGU SHARMINA-20BCD7084

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SOFTWARE REQUIREMENT ANALYSIS AND PLANNING

Description of individual phase/module:

User characteristics:

Administrator:

The registered department store owners who have registered using this application can be monitored and contacted by the administrator.

Registered user:

The owner can then choose from the available items, add quantities, and print a bill for the buyer. The cost of a bill submitted on a particular date will be calculated by the online tool. If the owner needs to change the customer's information, they can do so on the Manage Bills page (involving edit, updating, delete details). For every bill paid, the Giveaway generator generates a giveaway for a random number of customers.

General Constraints:

Constant stable internet connection is required for WBS.

Assumptions and Dependencies:

WBS needs a steady, reliable online connection, and irregular updates might cause difficulties and issues when it comes to purchases and credits.

Functional Requirements:

1)Signup/Registration:

Description:

It displays the signup page for creating account.

Input: Store name, e-mail, mobile number., password, gstin/uin

Output: It creates account.

2)Login:

Description:

It displays the login page.

Input: E-mail and password

Output: The homepage displays for the user.

3) Bill generation:

Description:

It creates bill for the specified products.

Input: Bill number, mode, name, mobile number., address, e-mail, item, code, quantity, price

Output: It generates bill.

4)Product shorthand notations:

Description:

It displays the page for creating shorthand for the product.

Input: Product code, product name, price

Output: Gives the shorthand representation for the product.

5)Logout:

Description:

User gets logged out.

Input: Nil

Output: Gets logged out

Identify individual module deliverables

1 Signup / Registration Module:

If a client wishes to create an invoice or manage, download, or print a bill, he or she must first register. Unregistered users are unable to do the above tasks.

2 Login Module:

The user logs in to the online application using a valid user id and password that has been successfully validated in order to manage invoices.

3 Bill Generation Module:

Every logged-in user will be able to create and generate invoices, as well as store current bills, print, and download those generated bills.

4 Product shorthand notations Module:

Every product has a shorthand representation of the entire product label. These shorthand notations can be found on user invoices, and users can search for them.

5 Logout Module:

Users can logout after doing the following required processes and all session activities will be preserved in the database.