

Contribution to Package Delivery Website project

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Team 12

Aim of this report:

This report depicts contribution made by me in **Package Delivery** project.

My roles:

I belong to computer science major, therefore, I was pretty much involved with the back end stuff. I did provided the core functionalities to the website. Below I am going to talk about aspects I have contributed.

- Selected Platform

- I selected the platform for this website. I have previous experience with raw PHP and Javascript which is the reason we chose to work with pure programming languages rather than using a framework. It also improves our understanding of underlying concepts. I also recommended using Bootstrap for HTML.
- I also selected the MySql for this project

- Testing

- I have chosen PHPUnit for automated testing due to its easy integration with PHP code. I have tested most of the PHP code designed by me. All of these tests pass.
- Javascript functions was not auto tested, instead they were tested manually.

- Validations

- I did the validations for our website. I used client side validation for faster response to make user correct their mistakes. However, Server side validation has been also used to prevent any attack on server because javascript can be blocked easily.
- Various patterns were made to check if user has made any mistakes and prevent from updating the database.

- PHP
 - Most of the coding in PHP is done by me as it was my part to do. I have made the database API which is responsible for our connection to database. I have also made another file which is called PHPfunctions.php but later on it was improved by another team member.
- Google API
 - I have used two google API: One in javascript which is responsible for autocompleting addresses and the other one is in PHP which is used to check on server side if address exists and if it exists, is it in 25 Km radius of brisbane.
- Website Pages
 - I have also recommended the some required pages for website such as Login page. I programmed the PHP functionality of that page.
- Refine some user Stories:
 - As I was in the back end, I refined some user stories to enhance the user experience.

Above is the summary of the work I have done. I am going to include all the development files and cycle I have gone through as an evidence. Below I am going to talk about each user story I have programmed.

Contributions (code)	Artefact (Links to commit history)	How did it fit in the team work/project work?
LoginPage.php	https://github.com/RTLM/IF-B299-Group-12/commits/master/loginPage.php This is the link to GitHub pull history.	Client required a login system for users, Owner and driver. This page serves the core functionality of login.
PHPfuntions.php file	https://github.com/RTLM/IF-B299-Group-12/commits/master/PHPfunctions.php . Link to history of commits.	This file was created to abstract the PHP functionality. It was created by me but improved by Josh russell ahern.
AddOrder.php	https://github.com/RTLM/IF-B299-Group-12/commits/master/addOrder.php Link to History of commits	This file was created to add orders to database which is a requirement from client. This file is developed by both me. This file is responsible for recording orders.
AddUser.php	https://github.com/RTLM/IF-B299-Group-12/commits/master/addUser.php	One of the client requirements was that new

	ster/addUser.php	user can create account. This file serves the connection b/w database and website where we can add users.
Database.php	https://github.com/RTLM/IFB299-Group-12/commits/master/database.php	This is the API which is used to connect and update the database. This API is created By me. This API helps to complete all required functions which involves database.
Delivery.php	https://github.com/RTLM/IFB299-Group-12/commits/master/delivery.php	Client required that drivers can view all the deliveries. This file serves that purpose. It was developed by me and Josh.
History.php	https://github.com/RTLM/IFB299-Group-12/commits/master/history.php	Client required history page where users can check the orders details. This file was developed by me but later improved by Josh.
JavascriptFunctions.js	https://github.com/RTLM/IFB299-Group-12/commits/master/javascriptFunctions.js	This file serves the purpose of client side validation and other functions required from javascript such as dividing completed and pending deliveries. This file is created by me and most of the functions are written by me.
MarkComplete.php	https://github.com/RTLM/IFB299-Group-12/commits/master/markComplete.php	This file fulfills the client requirement where a driver can update the status of delivery. This file is developed by me and Josh. It serves the PHP functionality for database update.
OrderComplete.php	https://github.com/RTLM/IFB299-Group-12/commits/master/orderComplete.php	This file updates delivery status.
OrderConfirmation.php	https://github.com/RTLM/IFB299-Group-12/commits/master/orderConfirmation.php	This file ask the user to

	B299-Group-12/commits/master/orderConfirmation.php	confirm order. This file also fulfills the requirement of multiple orders where a customer can make multiple order. Multiple order functionality is developed by me.
order.php	https://github.com/RTLM/IF-B299-Group-12/commits/master/order.php	This file is the mixture of HTML and PHP. This file allows user to add orders. PHP part is developed by me.
Register.php	https://github.com/RTLM/IF-B299-Group-12/commits/master/register.php	This file allows new user to register with on the spot. This file is mixture of PHP and HTML. PHP is coded by me.
Tests.php	https://github.com/RTLM/IF-B299-Group-12/commits/master/test.php	This file contains the automated testing. This file is developed by me.

The files I listed above is my work and I have contributed for it. One can check the commit histories if any doubt. Please make sure you are invited to the repo and logged in GITHUB to access those links.

Contributions (Functionality)	Artefacts	How did it help?
Divide head, navbar and footer.	One can check the commit histories of footer.php, tail.php, head.php which is the evidence that I initiated these files.	It helps to reduce the code and we can use it as a variable for consistent data for all of our website.
Validations	Main files of validations are register.php, javascriptfunctions.js and orderConfirmation.php. One can access the history of those files or can simply check the @author tag to verify it.	It helps to protect database from any corrupt query. It also help user to make sure they are making an correct order or providing valid details.
Multiple orders	One can refer to addOrder.php to confirm it.	It was the requirement of client to add multiple orders at a time.

Testing	One can refer to test.php history.	It helps to reduce the number of bugs.
Address validation	One can refer to javascriptfunction.js and database.php to check my contributions,	This functionality helps to check if the address is valid and inside the brisbane area. I have extended google API to use it for my purpose. I have used to version of it, one is Javascript and other is in PHP.
Database Queries	One can refer to database.php and other files such as orderConfirmation.php and other PHP files to check my contributions.	This helps to record customer's order and track the status of Deliveries.

The work listed above is my own work. If one have a doubt, they can check the commit histroy of the repository.

Declaration:

Hereby, I confirm the references to work I provided is my own work and any misleading information can cause serious consequences.