

# Brick Basket



# BRICKBASKET

CONSTRUCTION DELIVERY

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## Description

A website that facilitates the delivery of construction material from various stores and delivery of these materials separately or in bulk. It solves the problem of having to waste time running around to get your materials which can significantly increase the time spent on a job. The intended users are construction personnel .

A customer will be able to:

- Login to request a delivery.
- Be able to dictate the order of material pick ups by selecting each store and in which order to visit each.
- They can track the status of their deliveries.
- View delivery history.
- View information about the company.
- Contact the company for information and queries.

## Who,What,Why

### WHO:

1. Client
2. Delivery Manager
  - Will be responsible for assigning deliveries to specific teams
  - Update delivery status

### WHAT:

1. Customer login for requesting and monitoring deliveries
2. Firebase or SQL Lite will be used to manage the back-end
3. React.js will be used to manage the front-end
4. Emailjs will be used to manage email delivery system
5. Stripe for payment interactions
6. Google map api

### WHY:

- To allow the easy and efficient planning of delivery needs
- To keep clients up to date about their delivery status
- To reduce the hassle of having to visit multiple stores on your own time.

## Functional Requirements

- ***Client login/Delivery Management***

1. The website must provide a secure login for clients
2. Clients must be able to view the progress of their deliveries and delivery history.
3. Clients should be able to change delivery parameters(add or remove delivery)
4. Clients should be able to pay delivery total from the website
5. Clients should be able to update account information.
6. Clients should be able to update payment information.
7. Clients should be able to rate delivery after receipt
8. All information must be stored in a database

- ***Team/Delivery Coordination***

1. Delivery coordinators must be able to assign deliveries to teams
2. Must be able to update the status of a delivery
3. Cancel a delivery due to an error or problem

- ***Security***

1. Client's login, contact and payment information should be handled and stored securely.
2. Clients should only be able to access information in regards to their account and their account only.

## Non-Functional Requirements

- ***Compatibility***

1. The website should function across Chrome, Firefox, Safari and Edge.
2. The website should also be functional and responsive across laptops, phones and tablets.

- ***Scalability***

1. The website should be able to scale easily with the increase in new clients

- ***Usability***

1. A client should be able to navigate to any part of the website with just a simple click on the navigation bar.
2. FAQ link available on each page that also answer any questions about the use of the website

## User Stories

User :

- As a user, I would like to register an account.
- As a user, I would like to log in to my account.
- As a user, I would like to view my deliveries dashboard.
- As a user, I would like to be able to navigate to any other main website page from my dashboard.
- As a user, I would like to log out of the website.
- As a user, I would like to request a password reset and receive an email with that reset link.
- As a user, I would like to use the reset link to successfully reset the password for my account.
- As a user, I would like to request a delivery.
- As a user, I would like to view Company Information.
- As a user, I would like to contact the company via the Contact Form Page.
- As a user, I want my password to require strong validation (min length, symbols, numbers) so that my account is protected.
- As a user, I want to update my profile details (name, phone number, address)
- As a user, I want to request changes to the deliveries through my account panel.
- As a user, I want to view my delivery history.
- As a user, I want to receive an invoice/receipt after payment.
- As a user, I want to see an estimated delivery cost before confirming.
- As a user, I want to see a breakdown of charges (delivery fee, service fee, tax).
- As a user, I want to receive real-time updates via push/email when my delivery status changes (picked up, in transit, delivered).
- As a user, I want to see the estimated delivery time.
- As a user, I want to cancel a delivery .
- As a user, I want to contact the delivery driver/team during an active delivery in case I need to provide special instructions.
- As a user, I want to rate my delivery experience after completion.

Delivery Manager :

- As a delivery manager, I want to update delivery status at any given time.
- As a delivery manager, I want to be able to assign employees to each delivery.
- As a delivery manager, I want to reassign a delivery from one driver/team to another.
- As a delivery manager, I want to view all upcoming deliveries in a calendar view, so that I can manage scheduling effectively.
- As a delivery manager, I want to generate reports on deliveries.

Developer :

- As a developer, I would like to store login and contact forms information in a database.
- As a developer, I want to store delivery history specific to each user.
- As a developer, I want to assign roles to each user

Iterations

ID	ITERATION 1 :Core Functionalities	USP
1	As a user, I would like to register an account.	3
2	As a user, I would like to log in to my account.	2
3	As a user, I would like to view my deliveries dashboard.	2
4	As a user, I would like to be able to navigate to any other main website page from my dashboard.	3
5	As a user, I would like to log out of the website.	1
6	As a user, I would like to request a password reset and receive an email with that reset link.	5
7	As a user, I would like to use the reset link to successfully reset the password for my account.	5
8	As a user, I would like to request a delivery.	8
9	As a user, I would like to view Company Information.	2
10	As a user, I would like to contact the company via the Contact Form Page.	3
11	As a developer, I would like to store login and contact forms information in a database.	8
12	As a user, I want my password to require strong validation (min length, symbols, numbers) so that my account is protected.	4
13	As a user, I want to update my profile details (name, phone number, address).	4

ID	ITERATION 2	USP
1	As a user, I want to request changes to the deliveries through my account panel.	5
3	As a delivery manager, I want to update delivery status at any given time.	2
4	As a delivery manager, I want to allocate resources efficiently to ensure project timelines are met.	8
5	As a delivery manager, I want to update project budget and material amount.	5
7	As a user, I want to view my delivery history.	5
8	As a delivery manager, I want to be able to assign employees to each delivery.	5
9	As a delivery manager, I want to reassign a delivery from one driver/team to another, so I can adapt to resource availability.	6
10	As a delivery manager, I want to view all upcoming deliveries in a calendar view, so that I can manage scheduling effectively.	7
11	As a delivery manager, I want to generate reports on deliveries.	7

ID	ITERATION 2	USP
1	As a user, I want to save my payment method,so that future checkouts are faster.	6
2	As a user, I want to receive an invoice/receipt after payment so that I have proof of my transactions.	5
3	As a user, I want to see an estimated delivery cost before confirming.	7
4	As a user, I want to see a breakdown of charges (delivery fee, service fee, tax).	6
5	As a user, I want to receive real-time updates via push/email when my delivery status changes (picked up, in transit, delivered).	8

6	As a user, I want to see the estimated delivery time.	7
7	As a user, I want to cancel a delivery request.	6
8	As a user, I want to contact the delivery driver/team during an active delivery in case I need to provide special instructions.	7
9	As a user, I want to rate my delivery experience after completion, so that the company can improve its service.	5



## Mock up

