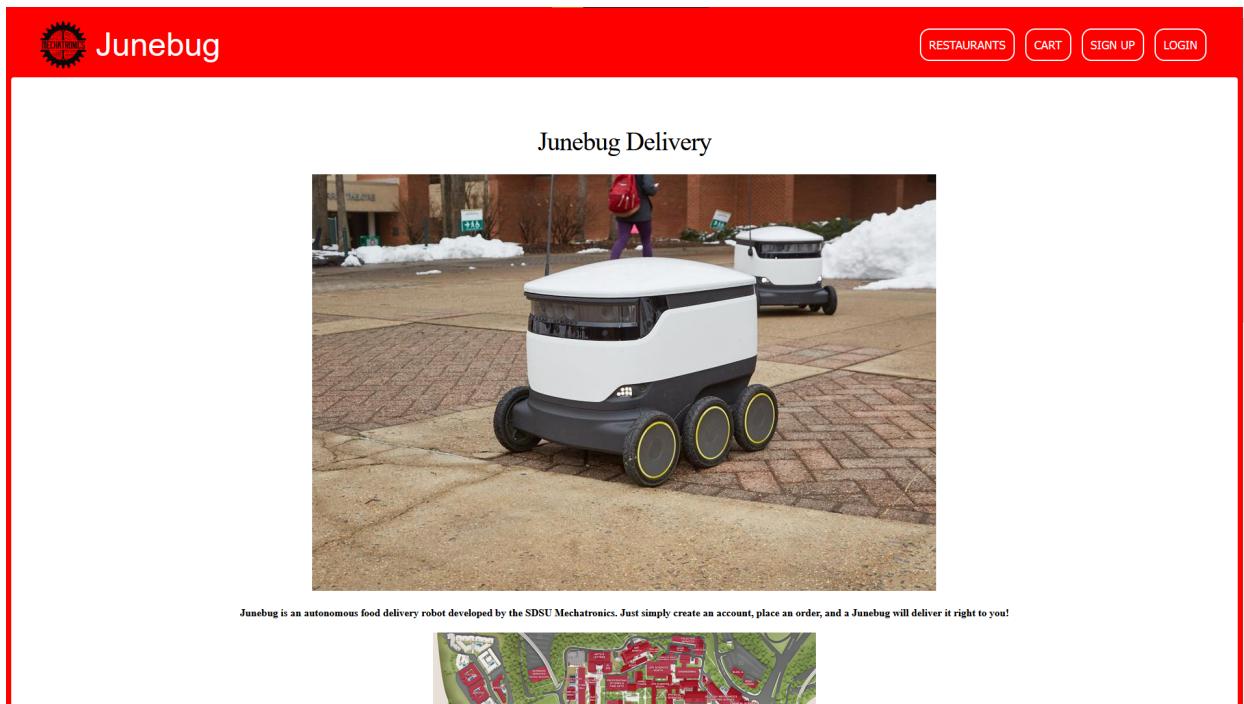


Mechatronics Junebug Website

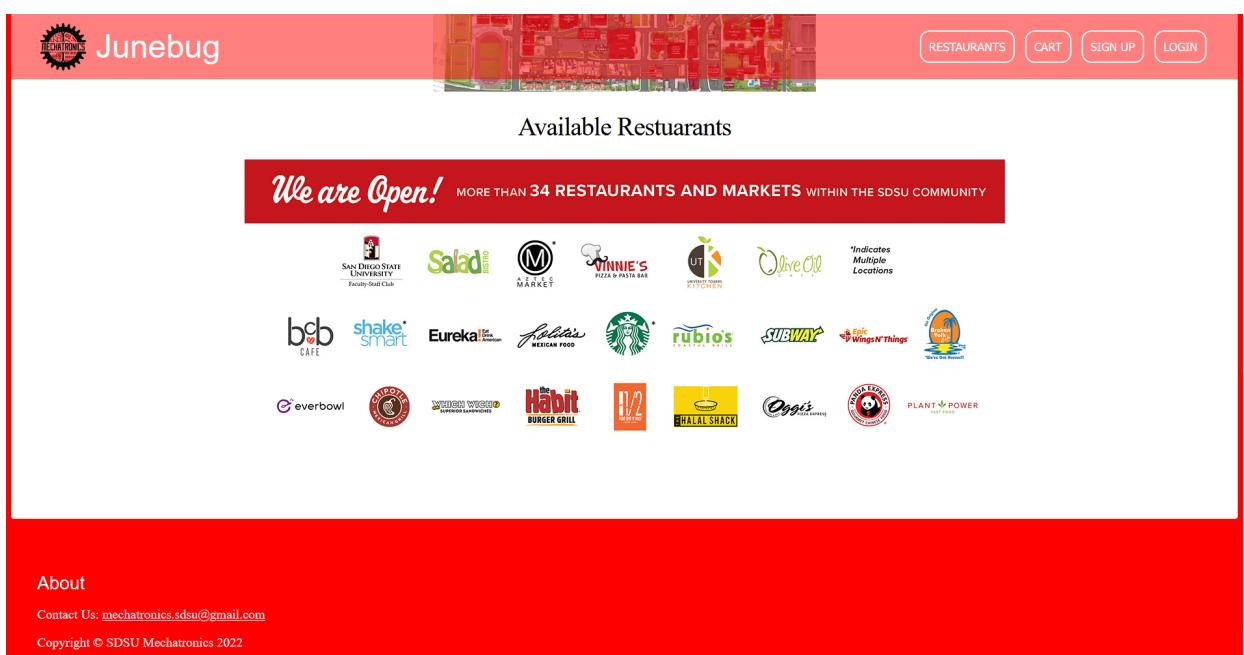
Designed by Tristan Richmond and Elisha Reece

Home

Home Page



The screenshot shows the homepage of the Junebug delivery service. At the top, there's a red header bar with the "Junebug" logo on the left and four buttons ("RESTAURANTS", "CART", "SIGN UP", "LOGIN") on the right. Below the header is a large white main area. In the center, the text "Junebug Delivery" is displayed above a photograph of two white autonomous food delivery robots on a brick-paved sidewalk. A person in a red jacket and backpack is walking away from the robots. To the right of the robots, there's a small amount of snow on the ground. Below the image, a caption reads: "Junebug is an autonomous food delivery robot developed by the SDSU Mechatronics. Just simply create an account, place an order, and a Junebug will deliver it right to you!" Further down, there's a map of a university campus with various buildings marked in red.



This screenshot shows the "Available Restaurants" section of the Junebug website. It features a red header bar with the "Junebug" logo and navigation buttons. Below the header is a large image of a university campus map. The main content area has a red banner at the top with the text "We are Open! MORE THAN 34 RESTAURANTS AND MARKETS WITHIN THE SDSU COMMUNITY". Below the banner is a grid of logos for various restaurants and markets, including:

- SAN DIEGO STATE UNIVERSITY Faculty Staff Club
- Salad Bistro
- M MARKET
- VINNIE'S PIZZA & PASTA BAR
- UT UNIVERSITY MECHANICAL ENGINEERS
- Olive Oil GOURMET
- *Indicates Multiple Locations
- bcb CAFE
- shake*smart
- Eureka! MARKET
- Jollibee MEXICAN FOOD
- STARBUCKS COFFEE
- RUBIO'S SUSTAINABLE GRAB
- SUBWAY
- Bonc Wings N' Things
- WING STOP
- everbowl
- PIZZERIA
- WHICH WICH SUSTAINABLE SANDWICHES
- Habit BURGER GRILL
- H/2
- HALAL SHACK
- Oggi's PIZZERIA
- ONE EATERY
- PLANT POWER

At the bottom of the page, there's a red footer bar with the word "About" and links to contact information: "Contact Us: mechatronics.sdsu@gmail.com" and "Copyright © SDSU Mechatronics 2022".

The home page contains general information about the delivery service and what it has to offer. To learn more about the student organization that develops the robots, visit the about page located in the footer of every page.

About Us

The screenshot shows the Junebug website with a red header bar. On the left is the Junebug logo, which is a circular icon with a gear-like pattern. Next to it is the word "Junebug". On the right side of the header are four buttons: "RESTAURANTS", "CART", "SIGN UP", and "LOGIN". Below the header, the main content area has a white background. The title "About Us" is centered at the top of this area. Underneath the title, there is a paragraph of text. Below the text, there are several sections with bolded section titles: "Mechanical", "Software", "Electrical", and "Business". Each section contains a brief description of the club's activities in that field. At the bottom of the white content area, there is a small "About" section containing contact information and copyright details. The entire screenshot is set against a red background, which is the main color of the Junebug website.

Mechatronics is a fully student-run organization at San Diego State University. As a multidisciplinary team of engineering, software and business students, we provide a challenging team-based environment with real-world applications, such as designing, fabricating, programming, and testing autonomous underwater vehicle systems. Our team is composed of Mechanical, Electrical, Software, and Business sub-divisions.

Mechanical
Mechanical members fully designs our vehicles in Solidworks as well as integrates their systems, including pneumatics. They are responsible for stress analysis and mechanical testing. Designs are also prototyped and fabricated, with welding and anodizing outsourced.

Software
Software members research and develop algorithms as well as write the code to control the vehicles. They also create a graphical user interface to allow simple user interaction with the code and are responsible for the vehicle's computer vision system.

Electrical
Electrical members design and fabricate our electrical boards and wire their circuits. They solder and test the connections in the boards that allow the electrical components to communicate with the main computer and populate our systems, including sensors, actuators, and thrusters, to vehicles.

Business
Business members understand the day to day operations of running an engineering organization in a startup environment. They are responsible for reaching out to sponsors, conduct market research, produce club advertisements and merchandise.

About
Contact Us: mechatronics.sdsu@gmail.com
Copyright © SDSU Mechatronics 2022

The about us page contains detailed information about the club Mechatronics and what it is composed of.

Accounts

Sign up

The screenshot shows the Junebug website's sign-up page. At the top, there is a red header bar with the Junebug logo and navigation links for RESTAURANTS, CART, SIGN UP, and LOGIN. Below the header, the main content area has a white background. In the center, the word "Register" is displayed above five input fields: "Enter Email", "Enter Password", "First Name", "Last Name", and "Phone Number". A red "SIGN UP" button is located below these fields. At the bottom of the page, there is a red footer bar containing the word "About" and contact information: "Contact Us: mechatronics.sdsu@gmail.com" and "Copyright © SDSU Mechatronics 2022".

The sign up page is used to register a user in order to place orders and check account information. All fields must be filled and in proper format as this is verified before being submitted.

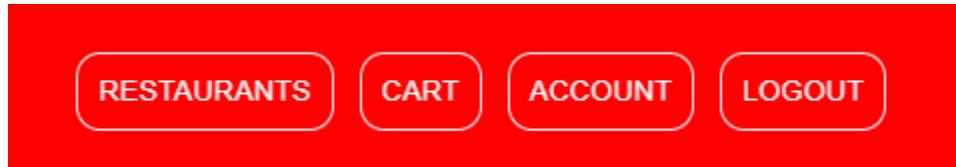
Login

The screenshot shows the Junebug website's login page. It features a red header bar with the Junebug logo and navigation links for RESTAURANTS, CART, SIGN UP, and LOGIN. The main content area has a white background and is centered around a "Login" form. This form includes two input fields: "Enter Email" and "Enter Password", followed by a red "LOGIN" button. Similar to the sign-up page, a red footer bar at the bottom contains the word "About" and contact information: "Contact Us: mechatronics.sdsu@gmail.com" and "Copyright © SDSU Mechatronics 2022".

Once an account is created, a user may enter their account details (email and password) to login.

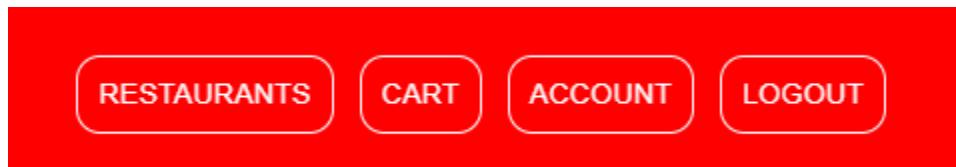
Similar to the signup page, both fields must be filled and in proper format as this is verified before being submitted.

Logout



Once logged in, a user may logout by clicking on the logout button to return to the general pages.

My Account



Once a user has signed in the navigation bar will change as so. Clicking on the Account button will bring you to the account page which shows all the user's information and order history.

A screenshot of a web application for "Junebug". At the top, there is a red header bar with the Junebug logo on the left and four white-outlined buttons on the right: RESTAURANTS, CART, ACCOUNT, and LOGOUT. Below the header, the main content area has a white background. It starts with a section titled "User Account" containing user information: NAME: Random User, PHONE #: (619)430-4037; EMAIL: ru@gmail.com, TYPE: Member. Below this is a section titled "Order History" with a table showing five orders. The table has columns: Order #, Location, Restaurant, Item, Quantity, and Total. The data from the table is as follows:

Order #	Location	Restaurant	Item	Quantity	Total
2	Mechatronics Trailer	Panda Express	Bowl	1	\$10.13
3	Student Union	Subway	Meatball Marinara	1	\$19.40
		Subway	Spicy Italian	1	
4	Student Union	Panda Express	Bowl	1	\$22.29
		Rubio's	Taco	1	
5	Storm Hall	Panda Express	Bowl	1	\$131.39
		Panda Express	Plate	3	
		Rubio's	Taco	1	

A sample account page and order history is shown above. Here, the user can see their details such as their email address, phone number, and what type of account they have (user, admin).

User Account

NAME Random User

PHONE # (619)430-4037

EMAIL ru@gmail.com

TYPE Member

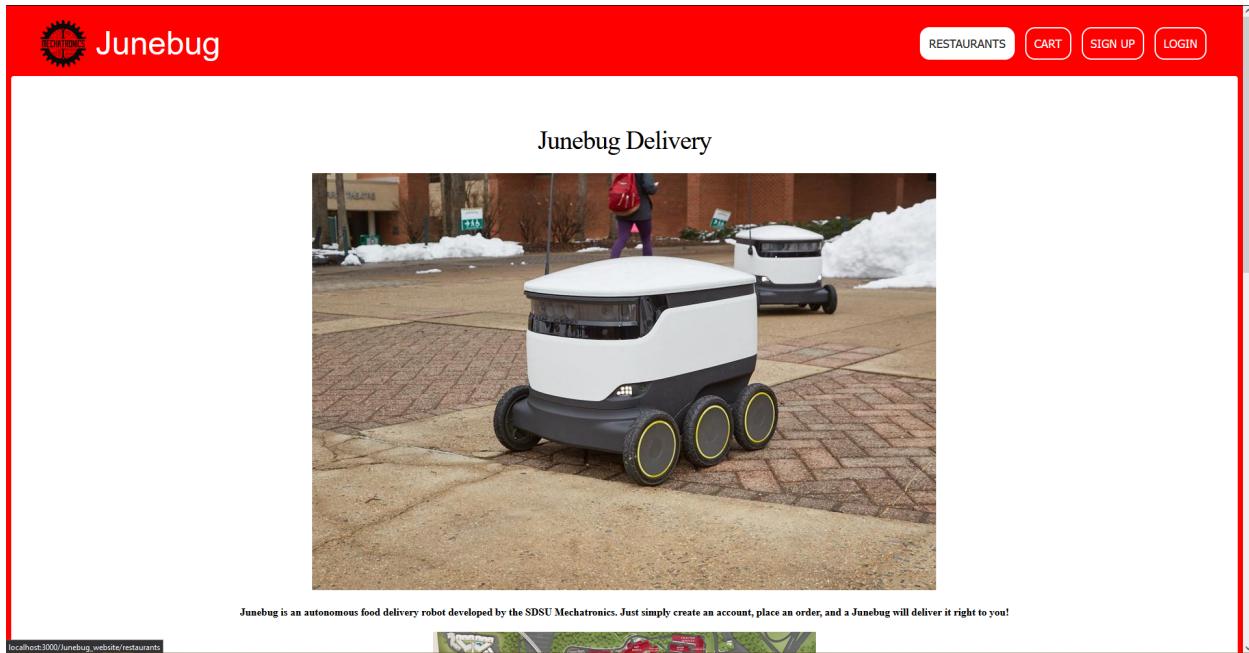
The order history details show a user's order history from latest to oldest. It contains all of the order details such as items, drop off location, and total.

Order History

Order #	Location	Restaurant	Item	Quantity	Total
2	Mechatronics Trailer	Panda Express	Bowl	1	\$10.13
3	Student Union	Subway	Meatball Marinara	1	\$19.40
		Subway	Spicy Italian	1	
4	Student Union	Panda Express	Bowl	1	\$22.29
		Rubio's	Taco	1	

Create Order

Restaurant Navigation



To begin placing an order, please select the “restaurants” button located at the top right inside the navigation bar. This will take you to the restaurant page where you can select from a variety of supported restaurants by the service.

Restaurant Selection

The screenshot shows a web-based restaurant selection interface. At the top, there is a red header bar with the title "Junebug" on the left and four buttons on the right: "RESTAURANTS", "CART", "SIGN UP", and "LOGIN". Below the header is a white section titled "Available Restaurants" containing five cards, each representing a different restaurant:

- Rubios** (Seafood): Features a blue and green logo.
- Panda Express** (Chinese): Features a panda logo and the text "PANDA EXPRESS CHINESE KITCHEN".
- Subway** (Sandwiches): Features the Subway logo.
- Chipotle** (Mexican): Features the Chipotle logo.
- Epic Wings and Things** (American/Chicken): Features the Epic Wings logo.

At the bottom of the white section, there is a red footer bar with the word "About" and contact information: "Contact Us: mechatronics.sdsu@gmail.com" and "Copyright © SDSU Mechatronics 2022".

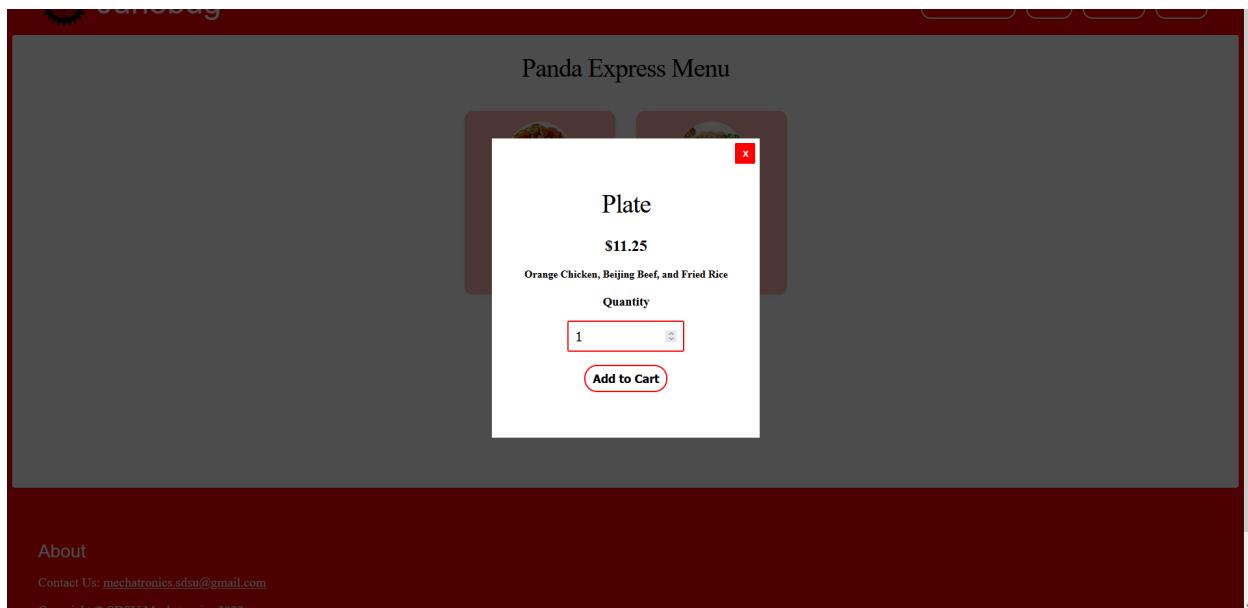
To view the menu of any of the restaurants, please click on the card of the desired restaurant.

Menu Selection

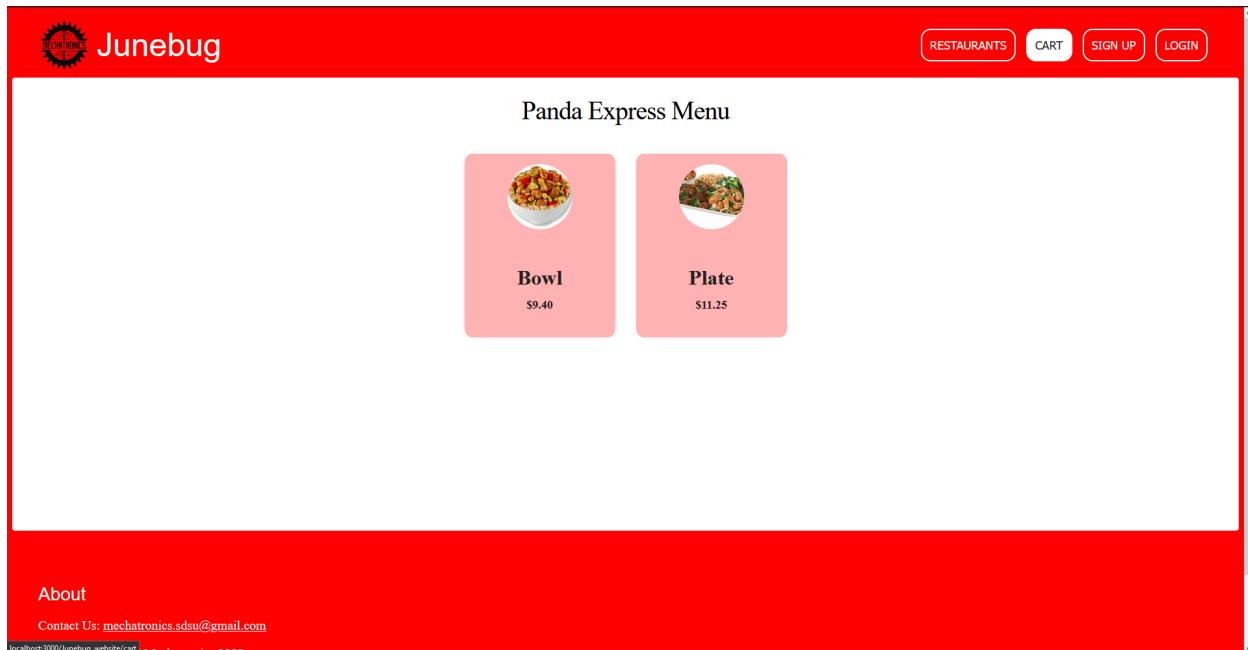
The screenshot shows a web-based food delivery application. At the top, there is a red header bar with the text "Junebug" and a logo on the left, and four buttons ("RESTAURANTS", "CART", "SIGN UP", "LOGIN") on the right. Below the header, the main content area has a white background. In the center, the text "Panda Express Menu" is displayed above two pink rectangular cards. The left card, labeled "Bowl", contains an image of a bowl of food, the text "Bowl", and the price "\$9.40". The right card, labeled "Plate", contains an image of a plate of food, the text "Plate", and the price "\$11.25". At the bottom of the page, there is a red footer bar with the text "About", "Contact Us: mechatronics.sdsu@gmail.com", and "Copyright © SDSU Mechatronics 2022".

By selecting one of the restaurant's, the available items for sale will be displayed. If you would like to learn more about an item on the menu or add it to your cart, please click on the item's card.

Item Details and Add to Cart



After selecting the dish's card, additional information about it will be displayed. This includes the description, the price, the quantity to add to your order, and a button to add the selected amount to your cart.



To view your cart, please select the “cart” button located on the top right of the navigation bar.

Cart Navigation

The screenshot shows a web application interface for a food delivery service. At the top, there is a red header bar with the logo "Junebug" and navigation links for "RESTAURANTS", "CART", "SIGN UP", and "LOGIN". Below the header, the main content area has a white background and a title "My Cart". Inside the cart, there is a single item listed: "Plate" from "Panda Express". The item is shown with a small thumbnail image, a quantity selector (set to 2), and a price of "\$22.50". At the bottom left of the cart area, it says "Cart Total: \$22.50" and there is a "Checkout" button. The bottom of the page has a red footer bar with links for "About", "Contact Us: mechatronics.sdsu@gmail.com", and "Copyright © SDSU Mechatronics 2022".

The cart page contains multiple information about your order. It displays each item that was added to your cart along with its quantity and overall item price. Additionally, the cart total is listed at the bottom of the page before any additional fees and tax has been applied.

Checkout

Checkout Navigation

The screenshot shows the Junebug website's cart interface. At the top, there's a red header bar with the Junebug logo and navigation links for RESTAURANTS, CART, SIGN UP, and LOGIN. Below the header, the main content area has a white background. It displays a single item in the cart: a "Plate" from Panda Express. The item is shown with a small thumbnail image, the name "Plate", the restaurant "Panda Express", a quantity selector (set to 2), and a price of "\$22.50". At the bottom left of the white area, it says "Cart Total: \$22.50" and there's a prominent red "Checkout" button. The bottom portion of the page is a solid red footer bar containing links for "About", "Contact Us: mechatronics.sdsu@gmail.com", and "Copyright © SDSU M-Mechatronics 2022".

Once you are done adding and modifying items to your cart, select the checkout button to visit the checkout page. If you are not logged into your account, you will be redirected to the login page to do so. All orders require you to login to your account, but don't worry because your cart items won't be lost after you login. If you are already logged in, the checkout button will direct you to the checkout page.

Checkout Form

The screenshot shows a checkout form for Junebug. At the top, there's a red header bar with the Junebug logo and navigation links for RESTAURANTS, CART, ACCOUNT, and LOGOUT. Below the header, the main form area has a white background.

Billing Address and Delivery Info

- First Name: John
- Last Name: Doe
- Email: john@example.com
- Address: 542 W. 15th Street
- City: New York
- Choose Delivery Location: Storm Hall

Payment

Card Number: (represented by a placeholder image of a credit card)

Enter Security Number: Security #

Zip Code: Zip Code

Enter Expiry Data: MM/YY

Sub Total: \$22.50
Tax Cost: \$1.74
Total: \$24.24

[Checkout](#)

The checkout page contains areas for you to enter all the necessary details for your order. This includes your name, email, billing address, and card information for payment. Additionally, the grand total is displayed using both the sub total from the cart page and the San Diego tax cost.

Submit Checkout

The screenshot shows a checkout page for Junebug. At the top, there's a logo for 'Junebug' and navigation links for 'RESTAURANTS', 'CART', 'ACCOUNT', and 'LOGOUT'. The main form is divided into two sections: 'Billing Address and Delivery Info' on the left and 'Payment' on the right.

Billing Address and Delivery Info:

- First Name: Tristan
- Last Name: Richmond
- Email: tjrichmond@sdsu.edu
- Address: 1345 Magnolia Avenue
- City: San Diego
- Choose Delivery Location: Love Library

Payment:

- Card Number: 1234 1234 1234 1234
- Valid thru: 12/24
- RICHMOND
- Zip Code: 92071
- Enter Security Number: 321
- Enter Expiry Data: 12/24

Sub Total: \$22.50
Tax Cost: \$1.74
Total: \$24.24

Checkout

After all your payment and contact information has been entered on the checkout page, select the checkout button in the bottom left corner. If all the provided information is valid, you will be prompted with a success alert. Otherwise, the form will prompt you with an error to check the provided information.

Failed Checkout

The screenshot shows a failed checkout process on the Junebug website. The user has entered their billing information: First Name (Tristan), Last Name (Richmond), Email (tjrichmond@sdsu.edu), Address (1345 Magnolia Avenue), and City (New York). In the payment section, a card with number 1234 1234 1234 1234, name RICHMOND, and expiration date 12/24 is selected. A modal dialog box from localhost:3000 displays the error message "Checkout has incorrect information" with an "OK" button.

Billing Address and Delivery Info

First Name: Tristan

Last Name: Richmond

Email: tjrichmond@sdsu.edu

Address: 1345 Magnolia Avenue

City: New York

Choose Delivery Location: Love Library

Payment

Card Number: 1234 1234 1234 1234

Name: RICHMOND

Expiration Date: 12/24

Zip Code: 92071

Enter Expiry Data: 12/24

Sub Total: \$22.50

Tax Cost: \$1.74

Total: \$24.24

Checkout

Successful Checkout

The screenshot shows a successful checkout process on the Junebug website. The user has entered the same billing information as the failed checkout. In the payment section, the same card is selected. A modal dialog box from localhost:3000 displays the success message "Order Success" with an "OK" button.

Billing Address and Delivery Info

First Name: Tristan

Last Name: Richmond

Email: tjrichmond@sdsu.edu

Address: 1345 Magnolia Avenue

City: San Diego

Choose Delivery Location: Love Library

Payment

Card Number: 1234 1234 1234 1234

Name: RICHMOND

Expiration Date: 12/24

Zip Code: 92071

Enter Expiry Data: 12/24

Sub Total: \$22.50

Tax Cost: \$1.74

Total: \$24.24

Checkout

A successful checkout will clear your cart and add your order to your account's order history. To pick up your order, meet at the delivery location at SDSU that was selected during the checkout.