The application consists of several Python functions, which correspond to different URLs that the user can access. These functions are responsible for handling HTTP requests, querying the database, and rendering HTML templates.

Here is a brief summary of each function:

1. **@app.route("/")** –

This function handles the root URL of the application and displays the home page.

1. **@app.route("/login", methods=['GET', 'POST'])** –

handles the login URL of the application and displays the login page and also processes the user's login information and checks it against the database.

1. **@app.route("/register", methods=['GET', 'POST'])** –

handles the registration URL of the application and displays the registration page and also processes the user's registration information and adds it to the database.

1. **@app.route("/customer\_home", methods=['GET', 'POST'])** –

handles the customer home URL of the application and displays the customer home page.

1. **@app.route("/customer\_profile", methods=['GET', 'POST'])** –

handles the customer profile URL of the application and displays the customer profile page. It also allows the customer to update their information in the database.

1. **@app.route("/customer\_flights", methods=['GET', 'POST'])** –

handles the customer flights URL of the application and displays the customer flights page and also allows the customer to view their booked flights and cancel them.

1. **@app.route("/customer\_availableflights", methods=['GET', 'POST'])** –

handles the customer available flights URL of the application and displays the available flights page and also allows the customer to search for flights and purchase tickets.

1. **@app.route("/customer\_availableflights\_search", methods=['GET', 'POST'])** –

handles the customer available flights search URL of the application and displays the search results and searches the database for flights based on the user's search criteria.

1. **@app.route("/customer\_availableflights\_purchase", methods=['GET', 'POST'])** –

handles the customer available flights purchase URL of the application and displays the purchase page and also allows the customer to select a flight to purchase.

1. **@app.route("/customer\_availableflights\_purchase\_go", methods=['GET', 'POST'])** –

handles the customer available flights purchase confirmation URL of the application and confirms the customer's purchase and adds the purchased tickets to the database.