Carry Release 0.0.1

Group 13

Table of Contents

carry	
1.1	carry package
1.2	run module
1.3	sphinx module
Pytho	on Module Index
Index	1

carry

1.1 carry package

1.1.1 Submodules

1.1.2 carry.database_utils module

```
class carry.database_utils.DatabaseUtils
    Bases: object
    Database Class
```

Note This class only contains methods for database connection.

```
addCalendarEventId ( db, booking_id, eid )
    A function for adding a Google Calendar Event ID
    Parameters
                  • db (Database object, essential) - Database
                  • booking_id(int, essential) - Booking ID
                  • eid(int, essential) - Google Calendar Event ID
    Returns
               Booking Object
    Return type dictionary
cancelBooking ( db, booking_id )
    A function for cancelling a booking
                  • db (Database object, essential) - Database
   Parameters
                  • booking_id(int, essential) - Booking ID
    Returns
               Booking Object
    Return type dictionary
```

A function for creating a new car object in the database

createNewCar (db, make, body_type, colour, seats, cost, address, suburb, state, postcode, lat, lng)

```
Parameters
                   • db (Database object, essential) - Database
                   • make (string, essential) - Car Make
                   • body_type (string, essential) - Car Body_type
                   • colour (string, essential) - Car Colour
                   • seats (int, essential) - No. Car Seats
                   • cost (float, essential) - Car Hourly Cost
                   • address (String, essential) - Car Address
                   • suburb (String, essential) - Suburb
                   • state (String, essential) - State
                   • postcode (String, essential) - Postcode
                   • lat (float, essential) - Latitude
                   • lng(float, essential) - Longitude
    Returns
               Car object if succesfully created, None otherwise
    Return type dictionary
findUser ( db, username )
    A function for finding user by searching username or user email
    Parameters
                   • db (Database object, essential) - Database
                   • username (string, essential) - Username / User email
    Returns
               User object if successfully found, None otherwise
    Return type dictionary
getAllCars ( db, search_input )
    A function for getting cars by searching features
                   • db (Database object, essential) - Database
    Parameters
                   • search_input (string, essential) - Search Input
    Returns
               List of Car if succesfully found, an empty list otherwise
    Return type list of dictionary
getBookedCars ( db, start_datetime, end_datetime )
    A function for getting booked cars by searching start_datetime and end_datetime
                   • db (Database object, essential) - Database
    Parameters
                   • start_datetime (datetime, essential) - Start Datetime
                   • end_datetime (datetime, essential) - End Datetime
               List of Booked Car if succesfully found, an empty list otherwise
    Return type list of dictionary
```

A function for getting booking by searching booking_id

getBooking (db, booking_id)

```
Parameters
                   • db (Database object, essential) - Database
                   • booking_id(int, essential) - Booking ID
    Returns
                Booking object if successfully found, None otherwise
    Return type dictionary
getCar ( db, car_id )
    A function for getting car by searching car_id
                   • db (Database object, essential) - Database
    Parameters
                   • car_id(int, essential) - Car ID
    Returns
                Car object if succesfully found, None otherwise
    Return type dictionary
getCurrentBooking ( db, user_id, car_id, now )
    A function for getting a current booking assigned to specific car and user
    Parameters
                   • db (Database object, essential) - Database
                   • user_id(int, essential) - User ID
                   • car_id(int, essential) - Car ID
                   • now (datetime, essential) - Current Datetime
    Returns
                Booking if succesfully found, None otherwise
    Return type list of dictionary
getMyBookings ( db, user id )
    A function for getting all bookings made by an user
    Parameters
                   • db (Database object, essential) - Database
                   • user_id(int, essential) - User ID
    Returns
                List of Bookings if succesfully found, an empty list otherwise
    Return type list of dictionary
getMyPastBookings ( db, user_id, now )
    A function for getting all past bookings which are cancelled or finished made by an user
    Parameters
                   • db (Database object, essential) - Database
                   • user_id(int, essential) - User ID
                   • now (datetime, essential) - Current Datetime
    Returns
                List of Past Bookings if succesfully found, an empty list otherwise
    Return type list of dictionary
getUser ( db, user_id )
    A function for getting user by searching user_id
    Parameters
                   • db (Database object, essential) - Database
```

• user_id(int, essential) - User ID

Returns User object if successfully found, *None* otherwise

Return type dictionary

logging (db, user_id, car_id, booking_id, lat, lng, status, datetime)

A function for logging user activities

Parameters

- db (Database object, essential) Database
- user_id(int, essential) User ID
- car_id(int, essential) Car ID
- booking_id(int, essential) Booking ID
- lat (float, essential) Latitude
- lng(float, essential) Longitude
- status (string, essential) Car Status
- datetime (datetime, essential) Current Datetime

Returns Log object if succesfully created, *None* otherwise

Return type dictionary

newBooking (db, reference, user_id, car_id, start_datetime, end_datetime, booking_datetime, duration, total_cost)

A function for creating a new booking object in the database

Parameters

- db (Database object, essential) Database
- user_id(int, essential) User ID
- car_id(int, essential) Car ID
- start_datetime (datetime, essential) Booking Start Datetime
- end_datetime (datetime, essential) Booking End Datetime
- booking_datetime (datetime, essential) Booking Made Datetime
- duration (int, essential) Booking Duration
- total_cost (float, essential) Booking Total Cost

Returns Booking Object

Return type dictionary

register (db, username, email, hashed_password, firstname, lastname)

A function for registering a new user in the database

Parameters

- db (Database object, essential) Database
- username (string, essential) Username
- email (string, essential) User Email
- hashed_password(string, essential) Hashed Password
- firstname (string, essential) Firstname
- lastname (string, essential) Lastname

```
Returns
                    User object if succesfully created, None otherwise
        Return type dictionary
    updateProfile ( db, profile_url, firstname, lastname, location )
        A function for updating an existing user profile in the database
        Parameters
                       • db (Database object, essential) - Database
                       • profile_url (string, optional) - Profile URL
                       • firstname (string, essential) - Firstname
                       • lastname (string, essential) - Lastname
                       • location (string, essential) - Location
        Returns
                    User object if succesfully created, None otherwise
        Return type dictionary
1.1.3 carry.fetch module
carry.fetch.booking_detail_event()
    Add a calendar event id to the existing booking if the user adds an event to Google Calendar.
carry.fetch.my_bookings_cancel()
    Cancel a booking by a user request.
1.1.4 carry.forms module
class carry.forms.BookingForm (formdata=<object object>, **kwargs )
    Bases: flask_wtf.form.FlaskForm
    A flexible form validation for Booking Detail
    Parameters formdata – Used to pass data coming from the enduser, usually request.POST or equiv-
               alent. formdata should be some sort of request-data wrapper which can get multiple
               parameters from the form input, and values are unicode strings
    car_id = <UnboundField(HiddenField, ('Car ID',), {'validators': [<wtforms.validators.DataRe-</pre>
    quired object>]})>
    duration = <UnboundField(HiddenField, ('Duration',), {'validators': [<wtforms.validators.-
    DataRequired object>]})>
    end_datetime = <UnboundField(HiddenField, ('End Date',), {'validators': [<wtforms.validators.-
    DataRequired object>]})>
    start_datetime = <UnboundField(HiddenField, ('Start Date',), {'validators': [<wtforms.valida-
    tors.DataRequired object>]})>
    submit = <UnboundField(SubmitField, ('Book',), {})>
    user_id = <UnboundField(HiddenField, ('User ID',), {'validators': [<wtforms.validators.DataRe-
    quired object>]})>
class carry.forms.LoginForm (formdata=<object object>, **kwargs )
```

Bases: flask wtf.form.FlaskForm

A flexible form validation for Login

Parameters formdata – Used to pass data coming from the enduser, usually request.POST or equivalent. formdata should be some sort of request-data wrapper which can get multiple parameters from the form input, and values are unicode strings

password = <UnboundField(PasswordField, ('Password',), {'validators': [<wtforms.validators.DataRequired object>, <wtforms.validators.Length object>]})>

remember = <UnboundField(BooleanField, ('Remember Me',), {})>

submit = <UnboundField(SubmitField, ('Login',), {})>

username = <UnboundField(StringField, ('Email / Username',), {'validators': [<wtforms.validators.DataRequired object>, <wtforms.validators.Regexp object>]})>

class carry.forms.NewBookingForm (formdata=<object object>, **kwargs)

Bases: flask_wtf.form.FlaskForm

A flexible form validation for New Booking

Parameters formdata – Used to pass data coming from the enduser, usually request.POST or equivalent. formdata should be some sort of request-data wrapper which can get multiple parameters from the form input, and values are unicode strings

car_id = <UnboundField(HiddenField, ('Car ID',), {'validators': [<wtforms.validators.DataRequired object>]})>

duration = <UnboundField(HiddenField, ('Duration',), {'validators': [<wtforms.validators.-DataRequired object>]})>

end_datetime = <UnboundField(HiddenField, ('End Date',), {'validators': [<wtforms.validators.-DataRequired object>]})>

start_datetime = <UnboundField(HiddenField, ('Start Date',), {'validators': [<wtforms.validators.DataRequired object>]})>

submit = <UnboundField(SubmitField, ('Confirm',), {'validators': [<wtforms.validators.DataRequired object>]})>

class carry.forms.RegistrationForm (formdata=<object object>, **kwargs)

Bases: flask wtf.form.FlaskForm

A flexible form validation for Registration

Parameters formdata – Used to pass data coming from the enduser, usually request.POST or equivalent. formdata should be some sort of request-data wrapper which can get multiple parameters from the form input, and values are unicode strings

confirm_password = <UnboundField(PasswordField, ('Confirm Password',), {'validators': [<wtforms.validators.DataRequired object>, <wtforms.validators.EqualTo object>]})>

email = <UnboundField(StringField, ('Email',), {'validators': [<wtforms.validators.DataRequired
object>, <wtforms.validators.Email object>]})>

firstname = <UnboundField(StringField, ('First Name',), {'validators': [<wtforms.validators.DataRequired object>, <wtforms.validators.Regexp object>]})>

lastname = <UnboundField(StringField, ('Last Name',), {'validators': [<wtforms.validators.DataRequired object>, <wtforms.validators.Regexp object>]})>

```
password = <UnboundField(PasswordField, ('Password',), {'validators': [<wtforms.validators.-
    DataRequired object>, <wtforms.validators.Length object>]})>
    submit = <UnboundField(SubmitField, ('Sign Up',), {})>
    username = <UnboundField(StringField, ('Username',), {'validators': [<wtforms.validators.-
    DataRequired object>, <wtforms.validators.Regexp object>]})>
    validate email (email)
        A function for checking if email already exists in the database
        Parameters email (string, essential) - Email
        Returns
                    ValidationError()
        Return type function
    validate_username ( username )
        A function for checking if username already exists in the database
        Parameters username (string, essential) - Username
        Returns
                    ValidationError()
        Return type function
class carry.forms.UpdateAccountForm (formdata=<object object>, **kwargs)
    Bases: flask_wtf.form.FlaskForm
    A flexible form validation for Profile Update
    Parameters formdata – Used to pass data coming from the enduser, usually request.POST or equiv-
               alent. formdata should be some sort of request-data wrapper which can get multiple
               parameters from the form input, and values are unicode strings
    email = <UnboundField(StringField, ('Email',), {'validators': [<wtforms.validators.DataRequired
    object>, <wtforms.validators.Email object>]})>
    firstname = <UnboundField(StringField, ('First Name',), {'validators': [<wtforms.validators.-
    DataRequired object>, <wtforms.validators.Regexp object>]})>
    lastname = <UnboundField(StringField, ('Last Name',), {'validators': [<wtforms.validators.-
    DataRequired object>, <wtforms.validators.Regexp object>]})>
    location = <UnboundField(SelectField, ('Location',), {'choices': [('melbourne', 'Melbourne')],</pre>
    'validators': [<wtforms.validators.DataRequired object>]})>
    profile_url = <UnboundField(FileField, ('Update Profile Picture',), {'validators': [<flask_wtf.-
    file.FileAllowed object>]})>
    submit = <UnboundField(SubmitField, ('Update',), {})>
    username = <UnboundField(StringField, ('Username',), {'validators': [<wtforms.validators.-
    DataRequired object>]})>
1.1.5 carry.models module
class carry.models.Booking(**kwargs)
    Bases: sqlalchemy.ext.declarative.api.Model
```

Booking Database Model

Each booking in the database will be assigned a unique id value, which is a primary key.

Note Reference should be unique. Booking Model has user_id and car_id fields which are foreign keys.

```
booking_datetime
   calendar_eid
   cancelled
   car_id
   duration
   end_datetime
   finished
   id
   logs
   reference
   rendBy
   rented
   start_datetime
   started
   total_cost
   user_id
class carry.models.Car(**kwargs)
   Bases: sqlalchemy.ext.declarative.api.Model
   Car Database Model
   Each car in the database will be assigned a unique id value, which is a primary key.
   address
   body_type
   bookings
   colour
   cost
   id
   img_url
```

```
lat
    lng
    logs
   make
   postcode
    seats
    state
    suburb
class carry.models.CarSchema (*args, **kwargs)
    Bases: marshmallow_sqlalchemy.schema.sqlalchemy_schema.SQLAlchemyAutoSchema
    class Meta
       Bases: object
       model
           alias of Car
    opts = <marshmallow_sqlalchemy.schema.sqlalchemy_schema.SQLAlchemyAutoSchemaOpts
    object>
class carry.models.Log(**kwargs)
    Bases: sqlalchemy.ext.declarative.api.Model
    Log Database Model
    Each Log in the database will be assigned a unique id value, which is a primary key.
    Note Log Model has user_id, car_id and booking_id fields which are foreign keys.
   booking_id
    car_id
    datetime
   has
    id
    lat
    lng
    logged
    logs
    status
```

Landing Page.

carry.routes.login()
User Login Page.

```
user id
class carry.models.User ( **kwargs )
    Bases: sqlalchemy.ext.declarative.api.Model, flask_login.mixins.UserMixin
    User Database Model
    Each user in the database will be assigned a unique id value, which is a primary key.
    Note Username and Email should be unique.
    auth
   bookings
    email
    firstname
    id
    lastname
    location
    logs
   password
   profile_url
    username
carry.models.load_user(user_id)
    Decorator for reloading the user from the user_id in the session :param user_id: Primary key of User
    :type user_id: int, essential :return User Object where id = user_id :rtype: dictionary
1.1.6 carry.routes module
carry.routes.booking_detail()
    New Booking Detail Page.
carry.routes.getDetailedMap(car)
    A Method for creating a detailed Google map
carry.routes.getMap()
    A Method for creating a Google map
carry.routes.home()
    Find Car Page.
carry.routes.index()
```

```
carry.routes.logout()
    User Logout Page.
carry.routes.my_bookings()
    My Bookings Page.
carry.routes.new_booking()
    New Booking Page.
carry.routes.profile()
    User Profile Page.
carry.routes.register()
    User Registration Page.
carry.routes.save_picture ( picture )
    A Method for saving a picture from user input
1.1.7 carry.socket module
carry.socket.background_thread()
    Background Thread which runs to receive messages from Agent Pis
carry.socket.decrypt (key, ciphertext )
    A function for decryption with shared key between Agent Pis and Master Pi
carry.socket.sendBookingID (UDPServerSocket, address, request, user_id, car_id)
    A function for sending a booking id if there is current booking for specific user and car
carry.socket.sendJson (UDPServerSocket, address, msgFromServer)
    A function for sending json data to Agent pi
carry.socket.statusUpdate ( UDPServerSocket, address, request, user_id, car_id, booking_id, lat, lng,
datetime)
    A function for storing user activities in the database
carry.socket.user_credential (UDPServerSocket, address, username, password, car_id)
    A function for validating user inputs from Agent Pis
1.1.8 carry.test database utils module
class carry.test_database_utils.TestDatabaseUtils ( methodName='runTest' )
    Bases: unittest.case.TestCase
    This testcase is created by subclassing unittest. TestCase
    Note To run this test class, enter this command in the project directory.
    $ python3 -m unittest carry/test.py
    classmethod setUpClass( )
        A class method called before tests in an individual class are run.
        setUpClass is called with the class as the only argument and must be decorated as a class-
        method()
```

```
classmethod tearDownClass()
    A class method called after tests in an individual class have run.
    tearDownClass is called with the class as the only argument and must be decorated as a class-
    method():
test_a()
    A test method if database configuration is set to the test database
test_b_registerUser()
    A test method for user registration
test_d_findUser()
    A test method for finding user
test_e_getUser()
    A test method for getting user
test_f_dupliUser()
    A test method for validating duplicate user
test_g_createCar()
    A test method for creating a new car
test_h_getCar()
    A test method for getting car
test_i_searchCar()
    A test method for searching car details
test_j_newBooking()
    A test method for creating a new booking
test_k_addCalendarBooking()
    A test method for adding calendar event id to the existing booking
test_l_getMyBookings()
    A test method for getting all bookings by the user
test_m_getBookedCar()
    A test method for getting booked car during the period
test_n_cancelBooking()
    A test method for cancelling the booking
test_o_getMyPastBookings()
    A test method for getting past bookings
test_p_getCurrentBooking()
    A test method for getting current booking allocated to specific car and user
test_q_logging()
    A test method for getting current booking allocated to specific car and user
```

1.1.9 carry.test_routes module

```
class carry.test_routes.TestRoutes ( methodName='runTest' )
```

Bases: unittest.case.TestCase

This class provides some basic methods for testing.

Note To run this test class, enter this command in the project directory.

\$ python3 -m unittest carry/test.py

classmethod setUp()

The testing framework will automatically call for every single test.

test_booking()

a method which checks if booking page works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

test_booking_detail()

a method which checks if booking detail page works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

test_home()

a method which checks if find car page works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

test_index()

a method which checks if index page works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

test_login()

a method which checks if logout works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

test_logout()

a method which checks if logout works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

test_my_bookings()

a method which checks if mybookings page works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

test_profile()

a method which checks if profile page works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

test_register()

a method which checks if registration page works properly.

Returns:

Boolean

```
>>> follow_redirects=True
return True if it redirects successfully
return False if not.
```

1.1.10 Module contents

1.2 run module

1.3 sphinx module

1.3.1 Sphinx

The Sphinx documentation toolchain.

copyright Copyright 2007-2020 by the Sphinx team, see AUTHORS.

license BSD, see LICENSE for details.

```
sphinx.version_info = (3, 0, 3, 'final', 0)
```

Version info for better programmatic use.

A tuple of five elements; for Sphinx version 1.2.1 beta 3 this would be (1, 2, 1, 'beta', 3). The fourth element can be one of: alpha, beta, rc, final. final always has 0 as the last element.

New in version 1.2: Before version 1.2, check the string sphinx.___version__.

- Index
- Module Index
- Search Page

1.3. sphinx module

18 Python Module Index

	module, 5
A	carry.models
addCalendarEventId() (carry.database_utils	module, 7
DatabaseUtils method), 1	carry.routes
address (carry.models.Car attribute), 8	module, 10
auth (carry.models.User attribute), 10	carry.socket
()	module, 11
В	carry.test_database_utils
	module, 11
background_thread() (in module carry.socket), 11	carry.test_routes
body_type (carry.models.Car attribute), 8	module, 13
Booking (class in carry models), 7	CarSchema (class in carry.models), 9
booking_datetime (carry.models.Booking	CarSchema.Meta (class in carry.models), 9
attribute), 8	colour (carry.models.Car attribute), 8
booking_detail() (in module carry.routes), 10	confirm_password (carry.forms.RegistrationForm
booking_detail_event() (in module carry.fetch), 5	attribute), 6
booking_id (carry.models.Log attribute), 9	cost (carry.models.Car attribute), 8
BookingForm (class in carry.forms), 5 bookings (carry.models.Car attribute), 8	createNewCar() (carry.database_utils.DatabaseU-
bookings (carry.models.User attribute), 6	tils method), 1
bookings (carry.models.osci attribute), 10	D
С	D
	DatabaseUtils (class in carry.database_utils), 1
calendar_eid (carry.models.Booking attribute), 8	datetime (carry.models.Log attribute), 9
cancelBooking() (carry.database_utils.DatabaseU-	decrypt() (in module carry.socket), 11
tils method), 1	duration (carry.forms.BookingForm attribute), 5
cancelled (carry.models.Booking attribute), 8	duration (carry.forms.NewBookingForm
Car (class in carry models), 8	attribute), 6
car_id (carry.forms.BookingForm attribute), 5	duration (carry.models.Booking attribute), 8
car_id (carry.forms.NewBookingForm attribute),	
<u> </u>	E
car_id (carry.models.Booking attribute), 8	email (carry.forms.RegistrationForm attribute), 6
car_id (carry.models.Log attribute), 9	email (carry.forms.UpdateAccountForm
carry module, 14	attribute), 7
	email (carry.models.User attribute), 10
carry.database_utils module, 1	end_datetime (carry.forms.BookingForm
carry.fetch	attribute), 5
module, 5	end_datetime (carry.forms.NewBookingForm
carry.forms	attribute), 6

end_datetime (carry.models.Booking attribute), 8	lng (carry.models.Car attribute), 9 lng (carry.models.Log attribute), 9
findUser() (carry.database_utils.DatabaseUtils	load_user() (in module carry.models), 10 location (carry.forms.UpdateAccountForm attribute), 7
method), 2 finished (carry.models.Booking attribute), 8 firstname (carry.forms.RegistrationForm	location (carry.models.User attribute), 10 Log (class in carry.models), 9 logged (carry.models.Log attribute), 9 logging() (carry.database_utils.DatabaseUtils
attribute), 7 firstname (carry.models.User attribute), 10	method), 4 login() (in module carry.routes), 10
G	LoginForm (class in carry.forms), 5 logout() (in module carry.routes), 11
getAllCars() (carry.database_utils.DatabaseUtils method), 2	logs (carry.models.Booking attribute), 8 logs (carry.models.Car attribute), 9 logs (carry.models.Log attribute), 9
getBookedCars() (carry.database_utils DatabaseUtils method), 2	logs (carry.models.User attribute), 10
getBooking() (carry.database_utils.DatabaseUtils method), 2	M
getCar() (carry.database_utils.DatabaseUtils method), 3	make (carry.models.Car attribute), 9 model (carry.models.CarSchema.Meta attribute),
getCurrentBooking() (carry.database_utils DatabaseUtils method), 3 getDetailedMap() (in module carry.routes), 10 getMap() (in module carry.routes), 10 getMyBookings() (carry.database_utils DatabaseUtils method), 3 getMyPastBookings() (carry.database_utils DatabaseUtils method), 3 getUser() (carry.database_utils.DatabaseUtils method), 3 H has (carry.models.Log attribute), 9 home() (in module carry.routes), 10 I id (carry.models.Booking attribute), 8 id (carry.models.Car attribute), 8	module carry, 14 carry.database_utils, 1 carry.fetch, 5 carry.forms, 5 carry.models, 7 carry.routes, 10 carry.socket, 11 carry.test_database_utils, 11 carry.test_routes, 13 run, 14 sphinx, 15 my_bookings() (in module carry.routes), 11 my_bookings_cancel() (in module carry.fetch), 5 N new_booking() (in module carry.routes), 11
id (carry.models.Car attribute), 8 id (carry.models.Log attribute), 9 id (carry.models.User attribute), 10	newBooking() (carry.database_utils.DatabaseU- tils method), 4 NewBookingForm (class in carry.forms), 6
img_url (carry.models.Car attribute), 8 index() (in module carry.routes), 10	O
L	opts (carry.models.CarSchema attribute), 9
lastname (carry.forms.RegistrationForm	Р
attribute), 6 lastname (carry.forms.UpdateAccountForm attribute), 7 lastname (carry.models.User attribute), 10	password (carry.forms.LoginForm attribute), 6 password (carry.forms.RegistrationForm attribute), 7
lat (carry.models.Car attribute), 9 lat (carry.models.Log attribute), 9	password (carry.models.User attribute), 10 postcode (carry.models.Car attribute), 9

20 Index

profile() (in module carry.routes), 11	s.TestDatabaseUtils method), 12
profile_url (carry.forms.UpdateAccountForm attribute), 7	test_booking() (carry.test_routes.TestRoutes method), 13
profile_url (carry.models.User attribute), 10	test_booking_detail() (carry.test_routes.Te- stRoutes method), 13
R	test_d_findUser() (carry.test_database_utils.Test- DatabaseUtils method), 12
reference (carry.models.Booking attribute), 8 register() (carry.database_utils.DatabaseUtils	test_e_getUser() (carry.test_database_utils.Test- DatabaseUtils method), 12
method), 4 register() (in module carry.routes), 11 RegistrationForm (class in carry.forms), 6	test_f_dupliUser() (carry.test_database_utils.Test- DatabaseUtils method), 12
remember (carry.forms.LoginForm attribute), 6 rendBy (carry.models.Booking attribute), 8	test_g_createCar() (carry.test_database_utils.Test- DatabaseUtils method), 12
rented (carry.models.Booking attribute), 8 run	test_h_getCar() (carry.test_database_utils.Test- DatabaseUtils method), 12
module, 14	test_home() (carry.test_routes.TestRoutes method), 13
S	test_i_searchCar() (carry.test_database_utils.Test- DatabaseUtils method), 12
save_picture() (in module carry.routes), 11 seats (carry.models.Car attribute), 9	test_index() (carry.test_routes.TestRoutes method), 13
sendBookingID() (in module carry.socket), 11 sendJson() (in module carry.socket), 11	test_j_newBooking() (carry.test_database_util- s.TestDatabaseUtils method), 12
setUp() (carry.test_routes.TestRoutes class method), 13	test_k_addCalendarBooking() (carry.test database_utils.TestDatabaseUtils
setUpClass() (carry.test_database_utils.Test- DatabaseUtils class method), 11	method), 12 test_l_getMyBookings() (carry.test_database_util-
sphinx module, 15	s.TestDatabaseUtils method), 12 test_login() (carry.test_routes.TestRoutes
start_datetime (carry.forms.BookingForm attribute), 5	method), 13 test_logout() (carry.test_routes.TestRoutes
start_datetime (carry.forms.NewBookingForm attribute), 6	method), 14 test_m_getBookedCar() (carry.test_database_util-
start_datetime (carry.models.Booking attribute), 8 started (carry.models.Booking attribute), 8	s.TestDatabaseUtils method), 12
state (carry.models.Car attribute), 9 status (carry.models.Log attribute), 9	test_my_bookings() (carry.test_routes.TestRoutes method), 14
statusUpdate() (in module carry.socket), 11 submit (carry.forms.BookingForm attribute), 5	test_n_cancelBooking() (carry.test_database_util- s.TestDatabaseUtils method), 12
submit (carry.forms.LoginForm attribute), 6 submit (carry.forms.NewBookingForm attribute),	test_o_getMyPastBookings() (carry.test database_utils.TestDatabaseUtils
submit (carry.forms.RegistrationForm attribute),	method), 12 test_p_getCurrentBooking() (carry.test database_utils.TestDatabaseUtils
submit (carry.forms.UpdateAccountForm	method), 12 test_profile() (carry.test_routes.TestRoutes
attribute), 7 suburb (carry.models.Car attribute), 9	method), 14 test_q_logging() (carry.test_database_utils.Test-
Т	DatabaseUtils method), 12 test_register() (carry.test_routes.TestRoutes
tearDownClass() (carry.test_database_utils.Test- DatabaseUtils class method), 12	method), 14 TestDatabaseUtils (class in carry.test_database_u-
test_a() (carry.test_database_utils.TestDatabaseU- tils method), 12	tils), 11 TestRoutes (class in carry.test_routes), 13
test h register[]ser() (carry test database util-	total cost (carry,models,Booking attribute), 8

Index 21

U

UpdateAccountForm (class in carry.forms), 7
updateProfile() (carry.database_utils.DatabaseUtils method), 5
User (class in carry.models), 10
user_credential() (in module carry.socket), 11
user_id (carry.forms.BookingForm attribute), 5
user_id (carry.models.Booking attribute), 8
user_id (carry.models.Log attribute), 10
username (carry.forms.LoginForm attribute), 6
username (carry.forms.RegistrationForm
attribute), 7
username (carry.forms.UpdateAccountForm
attribute), 7
username (carry.models.User attribute), 10

V

validate_email() (carry.forms.RegistrationForm method), 7 validate_username() (carry.forms.RegistrationForm method), 7 version_info (in module sphinx), 15

22 Index