

Delivery App



You must implement the back end system of an application used for delivery of various goods. The back end will expose REST endpoints with functionality, which are consumed by a separate front end system. Also, it will store the data in an SQL database.

You must implement the following endpoints:

- **add a delivery** – allows a user to add a new delivery in the database. The following business rules are defined for this endpoint:
 - o The request to add a delivery has the following structure:

Field name	Present on the request	Mandatory on request	Present on response	Other validations
id	no	no	yes	PK, auto-generated on DB level
contactPersonName	yes	yes	yes	String with max length of 200
contactPersonPhone	yes	yes	yes	String with max length of 15
address	yes	yes	yes	String with max length of 300
preferredTime	yes	no	yes	String with max length of 30. Example: 10am
delivered	yes	no	yes	Boolean value

- **update a delivery** – allows a user to update the details of an existing delivery. The following business rules are defined for this endpoint:
 - o If the preferred time is updated, the delivered field cannot be updated to true (the user cannot mark a delivery as being delivered if they also want to change the delivery time)
 - o The response will contain all details of the updated delivery.

Unit tests should be implemented for the service methods, with a coverage of at least 70%.

The type of the SQL DB is chosen by you.