**Rewards Service Documentation**

**Class Overview**

The RewardsServiceImpl class implements the RewardsService interface and provides methods for managing reward points and creating reward responses based on transactions.

**Annotations**

* **@Service:** Indicates that this class is a Spring service component.
* **@Autowired:** Indicates that the dependencies will be automatically injected by Spring.

**Dependencies**

* **RewardsRepository:** Repository for managing reward entities.
* **TransactionRepository**: Repository for managing transaction entities.

**Methods**

**setRewardPoints**

**Description**: Calculates and sets reward points for all transactions.

**createRewardResponse**

**Description:** Creates a response containing the reward details for all customers.

* **Response**: A ResponseEntity containing a list of RewardResponse objects with **HttpStatus.OK.**

**createRewardResponse**

**Description:** Creates a response containing the reward details for a specific customer by their ID.

* **Response**: A ResponseEntity containing a RewardResponse object with HttpStatus.OK.
* **Exception:** Throws CustomerIdNotFoundException if the customer ID is not found.

**computeRewardPoint**

**Description**: Computes the reward points based on the transaction amount.

* **Parameters**: int amount - The transaction amount.
* **Returns**: The reward points as an integer.

**Exception Handling**

* **CustomerIdNotFoundException**: Thrown when a customer ID is not found in the database.

**Summary**

The **RewardsServiceImpl** class provides methods for setting reward points based on transactions and generating reward responses for customers. It interacts with the **RewardsRepository** and **TransactionRepository** to manage and retrieve data.