

## **Technical Debts Document for RentOBike Project**

### **Payment Features for Rentals**

**Description:** Earlier, while starting the project, there is a plan to add the payment feature on the website, so renter will pay the rent for the bicycle to the owner.

**Reason for Debt:** The complexity of integrating payment gateways, we decide to defer this feature. Another reason, to choose to make this platform free of charge.

**Impact:** Without an in-built payment feature, it reduces the convenience and security of the rental process.

**Possible Solution:** Integrate a third-party payment service like PayPal in future versions for secure online transaction.

### **Search Functionality**

**Description:** This feature allows user to search the bicycle, by choosing location, type, or other criteria.

**Reason for Debt:** There is a reason to postponed or remove the feature from the project, due to the prioritization of core functionalities.

**Impact:** Users may find it less convenient to locate specific bikes. It can affect the usability of the platform.

**Possible Solution:** in the updated version, in the future, can be add this functionality.

### **Forgot Username Feature**

**Description:** It deals with the user account recovery feature allowing users to retrieve their username if forgotten.

**Reason for Debt:** The reason is to concentrate on the main features. Moreover, adding recovery methods securely is a bit complicated for a now being.

**Impact:** If users may forget the username, then it may lead them to recover their username. It may then decrease user satisfaction.

**Possible Solution:** In future may implement the email-based username recovery system. It ensures then that users can easily retrieve their login details.