System Requirements Specification Index

For

Account Management System Application

Version 1.0

IIHT Pvt. Ltd.
fullstack@iiht.com

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1 PROJECT ABSTRACT

Account Management Console Application is a pure java application with Java collection, where it allows to manage the account details.

2 COMMON CONSTRAINTS

1. Take console input for the account details(n)
2. Store the account Objects in two different Lists
3. Pass the Account Lists in sortAccountsByName() method
4. Write the logic to combine the two lists into a third list and short the third list in ascending order based on the account name.
5. Return the sorted list and display the sorted list on the console.

3 TEMPLATE CODE STRUCTURE

3.1 PACKAGE: COM.IIHT.TRAINING.ACCOUNT

Resources

Class/Interface	Description	Status
Account (class)	This class contains all the properties of the Account class.	Partially implemented.
AccountMain(class)	This class contains the sortAccountsByName() method and main method to implement the business logic	Partially implemented.

3.2 PACKAGE: COM.IIHT.TRAINING.EXCEPTION

Resources

Class/Interface	Description	Status
AccountNumberAlreadyExistsException (Class)	Custom Exception to be thrown when trying to combine two lists.	Already created.
InvalidAccountNumberException (Class)	Custom Exception to be thrown when trying to add an account to the list and the account number is not of 8 digits.	Already created.
InvalidBalanceException (Class)	Custom Exception is thrown when if the account balance is less than 10000.00	Already created.
NameCannotBeNullException (Class)	Custom Exception is thrown when the account name is null.	Already created.

4 EXECUTION STEPS TO FOLLOW

1. **All actions like build, compile, running application, running test cases will be through Command Terminal.**
2. **To open the command terminal the test takers, need to go to Application menu (Three horizontal lines at left top) -> Terminal -> New Terminal.**
3. **This editor Auto Saves the code.**
4. **If you want to exit(logout) and continue the coding later anytime (using Save & Exit option on Assessment Landing Page) then you need to use CTRL+Shift+B-command compulsorily on code IDE. This will push or save the updated contents in the internal git/repository. Else the code will not be available in the next login.**
5. **These are time bound assessments the timer would stop if you logout and while logging in back using the same credentials the timer would resume from the same time it was stopped from the previous logout.**
6. **To run your project use command:**

   ```
   mvn clean install exec:java -Dexec.mainClass="com.iiht.training.account.AccountMain"
   ```
7. **To test your project, use the command**

   ```
   mvn test
   ```

8. **You need to use CTRL+Shift+B - command compulsorily on code IDE, before final submission as well. This will push or save the updated contents in the internal git/repository, and will be used to evaluate the code quality.**