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|  | **Student Management Application** |
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|  | ELF / HTD Training Programs  Java Basics / Advanced Java – Use Cases |

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# **1. INTRODUCTION**

This document outlines the Project. The project is to develop a student management application. This document contains the work flow of the system and gives guidelines on how to build the functionality gradually in each of the course modules.

# **2.** **PROBLEM STATEMENT**

User can see all the student details according to the options they choose. User will choose the option and after choosing the user should get all the Student details according the chosen option. Finally, the user should get options like would you like to continue and must have an exit option in case the user chooses not to continue.

# **3. OBJECTIVE**

To reduce the manual efforts for managing the student details. This application will provide all the information about the students and to automate the details according to the required sorting order.

# **4. IMPLEMENTATION**

1. Create a class of Student and take few fields like studentId , studentName , studentAge , studentMarks etc.   
  
2. Use customised sorting (Comparator) to sort the student details according to all the fields taken.   
  
3. Create an Collection to add all the student details.  
  
4. Display the options in the console so that the user could choose which option of sorting order for the student details they would like to see. Use Scanner class to take the user input.  
  
5. Use if-else statements or switch cases to display the student details according to the chosen sorting order.  
  
6. Finally, once the user chooses an option, the student details should be displayed according to the chosen option and all the options should be displayed again in case the user would like to continue with another option. There should be an exit option. Once the user chooses not to continue they will choose the exit option and exit the application.