Software Requirement Specifications

Amazon Internal Classifieds

1. General Instructions

- This project is aimed at testing the hands-on skills and programming attitude to a practical problem.

- The program will be evaluated on the following parameters.
    1. **Data structure design**
    2. **Modularity:** The code shall be properly modularized and divided into different files as required.
    3. **Implementation**
        - Functionality implemented
        - Quality of code (Good Programming Practices)
        - The delivered code should compile without any build errors right-away. The Evaluator will use your project to build the code and if the build fails, the submission will be rejected outright.
    4. **Readability:** The code shall be easily readable and follow proper alignments and structure
    5. **Portability:** The code shall be completely portable and independent of the platform you are developing on.
    6. **Optimization:** The code shall be optimized to the extent possible. Take care of obvious cases like reducing the number of file writes, avoiding loss of data on unexpected program crashes.

- Consider non-functional requirements within the scope of the Problem Statement. However, the primary focus should be on Engineered Code.

- Provide Design document.

- Provide Test Data that you have used to test your program.

- Please report bugs in your program by yourselves in an Excel sheet.

- Packaging and delivery of the implementation is as important as correct implementation.

2. Problem Statement

An Internal OLX kind of Solution for Amazon Employees, with the functionality of Buying and Selling internally.

Types of accesses: Administrator, User

The developers need to implement two profiles - administrator and user. In the administrator and user profiles, they have to implement below mentioned features:

Administrator can:

- Approve/Reject Classifieds
- Activate/Deactivate Users
- Add/Remove Classifieds
- Manage Type/Categories of Classifieds
- Generate Various Reports

Users can:

- Manage their own profile
- Post a Classified
- View all Classifieds
- Connect with other users and perform Sell or Buy
- Integrate Payment Options

Classifieds will have the following attributes :

- Headline - Maximum 100 characters
- Name of the product - Maximum 50 Characters
- Brand (if any) - Maximum 25 Characters
- Condition - Brand new(Seal Packed), Lightly Used, Moderately Used, Heavily Used, Damaged/Dented, Not Working
- Description - Maximum 500 Characters
- Price (If recurring, mention recurrence unit. For example, if it is an apartment for rent, mention the price as Rs. 20,000 per month)
- Pictures - Maximum 4 (Optional) - Put a minimum resolution limit for clarity purpose