Requirements for project 1

I. Documentation

1. Introduction
    a. Motivation
    b. Problem statement
    c. Goals of the project
    d. Software development methodology used and why you adopt this methodology
2. Literature review
    a. Feature matrix
    b. comparing the features of the currently available solutions with the prosed solution
3. Requirement engineering
    a. Surveys, questionnaires, interview etc
    b. Results of part (a) represented as charts
    c. Discussion of results in part (b)
    d. Functional requirements
    e. Non functional requirements
    f. Use case diagram
    g. Use case table
4. Design
    a. Sequence diagram
    b. Class diagram
    c. ERD
    d. Database schema with normalized tables
    e. Data dictionary
    f. DFD (level 0 and 1)
    g. State diagram (optional)
    h. Algorithms or pseudocode
    i. Interface design
5. Implementation aspects
    a. Overall system architecture
    b. Tools, technologies and programming language used

II. Prototype