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| **No** | **Defect** | **Description** | **Severity** | **Remark** | **Location** |
| 1 | Missing Product Name | The product is referred to generically (e.g., "The (product name)") without a defined name, making it less identifiable. | Minor | Assign a clear and memorable name for the product and use it consistently throughout the document. | Sections 2.2, 3, 4 Vision |
| 2 | Unclear Target Audience | The audience is defined broadly but lacks segmentation details, leading to potential misalignment with user needs. | Major | Further segment the audience (e.g., by demographics, fitness levels, or roles). | Section 3.2, Page 8 Vision |
| 3 | Redundant Problem Statements | Some problem statements repeat similar issues, which could be consolidated for clarity and brevity. | Minor | Combine related problems under unified headings to streamline the document. | Section 2.1, Page 4-5 Vision |
| 4 | Lack of Competitive Comparison | While competitors are listed, there is no detailed analysis of how the product addresses gaps compared to competitors. | Major | Include a competitive matrix to highlight key differentiators of the product. | Section 3.4, Page 9 Vision |
| 5 | Missing Metrics for Success | The document does not define measurable success criteria for the product features or overall goals. | Major | Add specific metrics (e.g., user retention, satisfaction scores, engagement rates). | Section 2.2, Page 6 Vision |
| 6 | Unclear Pre-conditions | Some use cases have vague or incomplete pre-conditions, such as "Users must be logged in," without specifying how this is checked. | Minor | Provide clear and specific pre-conditions for each use case. | Sections 2.5, 2.14, 2.22 Use-case Specs |
| 7 | Incomplete Alternative Flows | Several alternative flows lack sufficient detail or are missing entirely, limiting the document's comprehensiveness. | Major | Expand and detail alternative flows to cover more scenarios (e.g., invalid inputs, session timeouts). | Sections 2.6, 2.23, 2.28 Use-case Specs |
| 8 | Lack of Diagram References | The document references diagrams (e.g., use-case models) but does not include or link to them, making navigation difficult. | Major | Include all referenced diagrams in the document or provide links to their locations. | Section 1, Page 5 Use-case Specs |
| 9 | Missing Success Criteria | Use cases do not consistently define what constitutes a successful execution of the case. | Minor | Add success criteria to clarify expected outcomes for each use case. | Sections 2.10, 2.21, 2.27 Use-case Specs |
| 10 | Redundant Information | Some use cases repeat information (e.g., basic flows overlap with other use cases), leading to redundancy. | Minor | Review and consolidate repetitive sections for brevity. | Sections 2.8, 2.12, 2.18 Use-case Specs |