**Customer Requirements Specification**

**[Kenovo Electric Blender]**

**Date: [2016-03-12]**

**Version: [1.00]**

Document Control

**Document location**

| Location |
| --- |
| [REQUIREMENTS/CRS/CRS.docx](https://github.com/bassamhany/Kenovo---Electric-Blender/blob/master/REQUIREMENTS/CRS/CRS.docx) |

**Revision history**

| Version | Issue date | Author/editor | Description/Summary of changes |
| --- | --- | --- | --- |
| 1.00 | 2016-03-12 | Bassam Hani |  |
|  |  |  |  |

**Reviewed by**

| Version | Issue date | Name | Position | Review date |
| --- | --- | --- | --- | --- |
| 1.00 | 2016-03-17 | Maha Yasseen | Team Member | 2016-03-17 |
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|  |  |  |  |  |

**Approvals**

| Version | Issue date | Name | Position | Approval date |
| --- | --- | --- | --- | --- |
| 1.00 | 2016-03-17 | Mustafa Ahmed | Project Manager | 2016-03-18 |
|  |  |  |  |  |

**Related documents**

| Document | Location |
| --- | --- |
| Software Interactive Questionnaire | [REQUIREMENTS/CRS/SIQ.xlsx](https://github.com/bassamhany/Kenovo---Electric-Blender/tree/master/REQUIREMENTS/CRS/SIQ.xlsx) |
| Change Request #01 Document | [REQUIREMENTS/CRS/Change Request/CR\_01.docx](https://github.com/bassamhany/Kenovo---Electric-Blender/blob/master/REQUIREMENTS/CRS/Change%20Request/CR_01.docx) |

**INTRODUCTION**

**Objectives**

Describe requirements of the customer for the system and how it is going to work to be able to refer back to this document in case of changing request from the customer and during the development cycle of the product.

**Scope**

The project aims to make a stable blender system that works in different speeds.

**Requirements**

All requirements are tagged and are rated either Mandatory (M) or Highly Desirable (HD) or Desirable (D), dependent on customer needs.

**Functional Requirements**

| **Requirement ID** | **Description** | **Date Received** | **Rate** | **Notes** |
| --- | --- | --- | --- | --- |
| REQ\_01 | Electric Blender should have three speeds | 5-3-2016 | M | N/A |
| REQ\_02 | User should change the speed using button | 5-3-2016 | M | N/A |
| REQ\_03 | Speed sequence is Off-> Speed1 -> Speed2 ->Speed3 to Off | 5-3-2016 | M | N/A |
| REQ\_04 | Second Button for on and off | 12-3-2016 | HD | Refer to CR\_01 |

**Non-Functional Requirements**

| **Requirement ID** | **Description** | **Date Received** | **Rate** | **Notes** |
| --- | --- | --- | --- | --- |
| REQ\_05 | Electric Blender should be stable | 5-3-2016 | HD | N/A |
| REQ\_06 | Handle the bouncing time of the buttons | 5-3-2016 | HD | N/A |

**Hardware Requirements**

| **Requirement ID** | **Item** | **Description** | **Date Received** | **Rate** | **Notes** |
| --- | --- | --- | --- | --- | --- |
| REQ\_07 | DC MOTOR | Achieve different speeds | 5-3-2016 | M | N/A |
| REQ\_08 | Microcontroller | control speeds of the blender | 5-3-2016 | M | N/A |
| REQ\_09 | Tactile Switch | change speeds of blender | 5-3-2016 | M | N/A |
| REQ\_10 | Push Button | activate the switch function | 12-3-2016 | HD | Refer to CR\_01 |
| REQ\_11 | LED | Indicate the state of the system | 5-3-2016 | D | N/A |

**Interviews**

Refer to the SIQ document for the details of the questionnaire with the customer for more details on project requirements.