## Requirements

To develop a multi-use calculator which has no only the arithmetic functionality but also there are other functionalities such as special functions (i.e., square root, factorial, prime, etc), trigonometric functions and conversion functions (i.e., meter to centimeter, etc.)

### High Level Requirements

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| --- | --- |
| **ID** | **Description** |
| HL1 | Arithmetic Functions |
| HL2 | Special Function |
| HL3 | Trigonometric Functions |
| HL4 | Conversion Functions |

### Low Level Requirements

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| --- | --- |
| **ID** | **Description** |
| HL1\_L1 | Add |
| HL1\_L2 | Subtract |
| HL1\_L3 | Multiply |
| HL1\_L4 | Divide |
| HL2\_L1 | Nth power |
| HL2\_L2 | Square |
| HL2\_L3 | Factorial |
| HL2\_L4 | Greater |
| HL2\_L5 | Smaller |
| HL2\_L6 | Prime |
| HL2\_L7 | Modulus |
| HL2\_L8 | Square root |
| HL3\_L1 | Sine Value |
| HL3\_L2 | Cos Value |
| HL3\_L3 | Tan Value |
| HL4\_L1 | Centimeter to meter |
| HL4\_L2 | Meter to Centimeter |
| HL4\_L3 | Meter to Kilometer |
| HL4\_L4 | Kilometer to Meter |
| HL4\_L5 | Inch to Centimeter |
| HL4\_L6 | Centimeter to inch |