| | Unit Converter | | | | | | | | |
|-----------------|--------------------------------------|-------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------|----------------------------|----------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------|--|
| Project Name | App | | | | | | | | |
| Project Manager | Maria Harrison | | | | | | | | |
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| | Business Beau | iromont | | Eunotional/No. | n-functional Req | uiromonto | | | |
| | Business Requirement Business BR Use | | FullCtional/No | Requirement | Functional Requirement Use | | | | |
| | Requirement ID | Case/Scenario | BR Acceptance Criteria | Scenario | ID | Case | Acceptance Criteria | Priority | |
| | BR. 1 | Landing Page | As a user, When I start the application, I want the landing to display, So that I can select my preferred measurement system | Landing Page | 1.00 | Display Landing Page | Landing page must display when user launches application | High | |
| | BR. 2 | input page | As a user, I want an input page, So that I can enter the value and unit of my input measurement | Landing Page | 2.00 | Select Measurement System Toggle | On the landing page, the user must select either metric or imperial as the measurement system | High | |
| | BR. 3 | Input Measurement | As a user on the input page, I want a text field and dropdown field, So that I can enter the value and select the unit of my input measurement | Landing Page | | Transition from Landing Page | Landing page must send the user to the input page after interacting | | |
| | BR. 4 | Target Measurement | As a user on the input page, I want a dropdown field, So that I can select the unit of my target measurement | input page | 4.00 | Display input page | input page must display after landing page. input page must allow user to input measurement values | High | |
| | BR. 5 | Conversion Button | As a user on the input page, I want a button labeled Convert, So that I can click it and trigger the conversion process. | Input Measurement | | Input Value Text Field | The input value text field must accept a decimal value up to and no more than the thousandths place | High | |
| | BR. 6 | Results Page | As a user, I want an Results Page, So that I can see the converted measurements | Input Measurement | 6.00 | Input Unit Dropdown Selection | The input page must have a drop down list of pre-defined input units for the user to select from | High | |
| | BR. 7 | Data Model | As an engineer, I want a Data Model, So that I can store the user's input values and access the values within the conversion algorithm | Target Measurement | 7.00 | Output Unit Dropdown Selection | The input page must have a drop down list of pre-defined output units for the user to select from | High | |
| | BR. 8 | Conversion Algorithm | As an engineer and user, I want a Conversion Algorithm, So that I can calculate the unit conversions | Conversion Button | 8.00 | Conversion Button | The input page must have a Conversion Button that is clickable. | High | |
| | | | | Conversion Button | 9.00 | Conversion Button | Clicking the triggers the conversion process. The button will be attached to a script that calls the conversion algorithm. | High | |
| | | | | Conversion Button | 10.00 | Conversion Button Disable/Enable State | Conversion Button must be disabled if the user does not fill out all input fields. | High | |
| | | | | Conversion Button | 11.00 | Conversion Button Disable/Enable State | Converison Button must be enabled when the user has all input fields filled out. | High | |
| | | | | Conversion Button | 12.00 | Transition from Input Page | Conversion Button must send the user to the Result Page | High | |
| | | | | Results Page | | Display Results Page | The Results Page must display after the input page. | High | |
| | | | | Results Page | 14.00 | Results Page Loading Indicator | The Results Page must display a loading indicator when the conversion algorithm is still running to notify the user the converted value hasn't been returned yet. | High | |
| | | | | Results Page | 15.00 | Results Page Returns Conversions | The Results Page must display the input measurement at the top of the screen. It must display and return the newly converted value on a text line below the input measurement. | High | |
| | | | | Data Model | | Data Model stores input data from Input Page | The Data Model must store the following: -Input value as Floating point -Measurement System as String, serving as Dictionary Key -Input unit as String, serving as dictionary key -Output unit as String, serving as dictionary Key | Low | |