

User Stories

Identifier	US1
US Statement	The Calculator should contain arithmetic symbols like addition(+), subtraction(-), multiplication(*), and division(/).
Constraints	There are only symbols on the view for usage.
Acceptance Criteria	User should able to view the arithmetic symbols on calculator.
Priority	Low
Estimate	1

Table 1: User Story 1

Identifier	US2
US Statement	The Calculator should contain trigonometric symbols like sin,cos, and tan.
Constraints	No need to add cosec, sec, and cot symbols for display as they can be calculated by reciprocal of sin, cos, and tan.
Acceptance Criteria	User should able to view the trigonometric symbols on calculator.
Priority	Low
Estimate	1

Table 2: User Story 2

Identifier	US3
US Statement	The Calculator should contain a constant silver ratio(δ_s).
Constraints	Should display only symbol.
Acceptance Criteria	User should able to view the silver ratio symbol on calculator.
Priority	Low
Estimate	1

Table 3: User Story 3

Identifier	US4
US Statement	To calculate the arithmetic expression entered by user.
Constraints	User cannot extend expression by 8 digits.
Acceptance Criteria	User can be able to perform arithmetic operations by clicking the given arithmetic symbols.
Priority	Medium
Estimate	2

Table 4: User Story 4

Identifier	US5
US Statement	To calculate the trigonometric expression entered by user.
Constraints	User cannot extend expression by 8 digits.
Acceptance Criteria	User can be able to perform trigonometric operations by clicking the given trigonometric symbols.
Priority	Medium
Estimate	2

Table 5: User Story 5

Identifier	US6
US Statement	To calculate constant silver ratio(δ_s).
Constraints	N.A.
Acceptance Criteria	User can be able to calculate the silver ratio ($\delta_s=1+\sqrt{2}$)by clicking the constant δ_s .
Priority	Medium
Estimate	3

Table 6: User Story 6

Identifier	US7
US Statement	To input the number from user on which calculation will be performed.
Constraints	User cannot input negative number.
Acceptance Criteria	User can perform arithmetic, trigonometric, and silver constant calculation by using the input number.
Priority	Medium
Estimate	3

Table 7: User Story 7

Identifier	US8
US Statement	Calculator should contain display screen.
Constraints	Display screen should be of size 16*9.
Acceptance Criteria	User should be able to view the whole work on this display screen.
Priority	Medium
Estimate	3

Table 8: User Story 8

Identifier	US9
US Statement	The Calculator should contain a clear button.
Constraints	N.A.
Acceptance Criteria	User should be able to clear the screen by clicking the clear button.
Priority	Medium
Estimate	3

Table 9: User Story 9

Identifier	US10
US Statement	The Calculator should contain equals to(=) symbol to start calculation.
Constraints	N.A.
Acceptance Criteria	User can start calculation by clicking the equals to(=) button.
Priority	Medium
Estimate	3

Table 10: User Story 10

Identifier	US12
US Statement	User wants to built a buddhist temple of 4 floor using silver ratio.
Constraints	N.A.
Acceptance Criteria	Silver ratio derives a smaller proportion(1.414). Relation between first roof and fourth roof should be 1.414.
Priority	High
Estimate	5

Table 11: User Story 12