

VSAP CALCULATOR

USE CASE

1. The user Starts the Applications
2. The system prints a list of commands
3. The user selects one of the Shapes choices from the menu.
4. The system validates the input.
5. The system process the users request
6. The system checks the Formulas to use
7. The system asks for the needed values
8. The user inputs the required values
9. The system checks if the value is an integer
10. The system prints the output
11. The system repeats steps 3 - 9 unless the user calls the menu or terminates the application.
12. The user terminates the application.
13. The system closes the program.

Nouns (Candidate Classes):

- ☐ User* - Outside the system, no class needed
- ☐ Shapes*
- ☐ Formulas
- ☐ Values* - This is an input
- ☐ Menu - list of commands
- ☐ Output

Verbs (Candidate Operations):

- ☐ Starts the application*
- ☐ Prints a list of commands
- ☐ Checks the value
- ☐ Validates the Input - checking if the input is an integer or string
- ☐ Repeats* - loops the program until the user terminates
- ☐ Terminates - ends the program