

A.) Using HTML, CSS, and Javascript create a “Mortgage Payment Calculator” to compute the monthly payment on a mortgage loan. This type of calculator is often called “How much house can I afford?” on financial web sites.

You will use Javascript to calculate the monthly payment amount. Your HTML form will collect the following input:

- numeric input - **Price** of house (loan amount, principal)
- numeric input - **Down payment** on purchase (reduces principal)
- drop down - **Term** of loan (number of years) with the following options:
 - 15 Years
 - 20 Years
 - 25 Years
 - 30 Years
- slider - **Rate** (interest rate) ranging from 1.00% to 15.00% by 0.05% increments

Your form should have two buttons, one to clear the form (a.k.a. reset the form) and one to compute the result. Use the appropriate input type for each input. Use HTML attributes to constrain the inputs and guide the user. Use Javascript to validate the user’s input.

Use an external CSS file to style your calculator so that it is attractive. Your Javascript file should also be external.

★ Validate your HTML and CSS using the W3C validator.

Due date:

Completed web pages - Friday 27th by 11:59 p.m.

Assignment submission:

Create a folder “mortgage” in your public_html folder. Upload the files to your public_html/mortgage folder on the CS server.

Assignment evaluation:

Your HTML and CSS must pass the w3c validators in order to receive full credit.