

Create a web component (using lit-element) for rating stars

Consider the following use cases when designing the component:

1. It can be used to rate something.
2. The rating is already available (e.g. average of ratings provided by large number of users), we just need to depict the current rating by using stars (consider value up to 1 decimal point in case of rating in decimals)

Consider following things when designing the APIs for first use case mentioned above:

1. There is default state (color of stars) when user has not rated yet.
2. When the user hovers on the stars, the *to-be-rated* stars get highlighted (with a color).
3. After the user clicks, the assigned rating is now displayed to the user (stars have a specific color now).
4. When user rates, there might be other things (not part of the same component) which can get impacted so they need this information.

Additional things to consider:

1. The current use case for rating system is out of 5 stars but should be extendable to work with any number of stars in future (like out of 10 stars).
2. You don't need to write the svg for star, please use any available svg online.