

# Validation

You are making a site that sells or rents movies (ala NetFlix).

- 1.** Make a form that collects a catalog ID (String), year (4-digit int), and price (double) for the movie.
- 2.** Use implicit automatic validation to enforce that the catalog ID is required, the year is an int, and the price is a double. (Hint: the last two are trivially easy). Display error messages right next to the form fields
- 3.** Use explicit automatic validation to enforce that the catalog ID is at least 3 characters long, the year is between 1900 and 2009, and the price is at least one dollar.
- 4.** Define your own validation function for dates that allows all years from 1900 to 2009 except for the 1960's. Give an error message that says "bad karma" for dates in the 60's.
- 5.** Customize the error messages from any of the above problems that used standard system error messages.
- 6.** Make a copy of the above Web app. Change it to use manual validation to enforce that the keyword is not missing, the year is between 1900 and 2009, and the price is positive. Display a list of error messages above the form.