

# USTH MM2.1

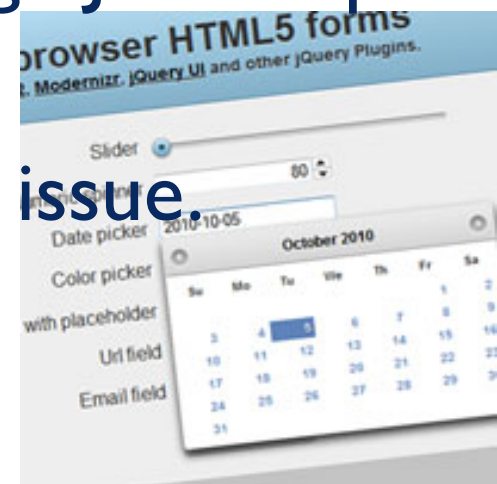
## Soft. Eng. for Interactive Media



### Lecture #3.1 – HTML 5 forms

# Introduction

- Forms have been the backbone of the explosion of the Web since they first appeared.
  - Without form controls, web business transactions, social discussions, and efficient searches would simply not be possible.
- The HTML5 Forms API includes functionality that was previously only available through JavaScript and jQuery.
- Browser support is still an ongoing issue.



# Overview of HTML5 forms

- Forms should still be encapsulated in a `<form>` element where the basic submission attributes are set.
- Forms still send the values of the controls to the server when the user or the application programmer submits the page.
- All of the familiar form controls—text fields, radio buttons, check boxes, and so on—are still present and working as before (albeit with some new features).
- Form controls are still fully scriptable for those who wish to write their own modifiers and handlers.

# New elements, input types, and functionality

- What exactly is new?
  - Check [official documentation](#), particularly [“form elements”](#).
- Selected highlights:
  - New values for the type attribute of the <input> tag: email, tel, url, search, range
  - New attributes: placeholder, autocomplete, autofocus, min, max, step, required
  - The list attribute and the <datalist> element
  - Validation fields and functions
  - “Future” elements: number, color, datetime, datetime-local, time, date, week, month

# Example

- Describing Data with New Input Fields

- [Live version](#) here :

- <http://media.pragprog.com/titles/bhh5/code/html5forms/index.html>

- Highlights:

- Slider
    - Spinboxes
    - Email
    - URL
    - Color Picker
    - autofocus (name)

Project Information

Name

Priority

Estimated Hours

Start date

Email contact

Staging URL

Project color

# Example

- Providing Hints with Placeholder Text
  - [Live version](http://media.pragprog.com/titles/bhh5/code/html5placeholder/text/index.html) here
- <http://media.pragprog.com/titles/bhh5/code/html5placeholder/text/index.html>
- Highlights:
  - Placeholders for all text boxes

### Create New Account

**First Name**

**Last Name**

**Email**

**Password**

**Password Confirmation**

# Example

- The *contenteditable* attribute
  - [Live version](#)
  - [http://media.pragprog.com/titles/bhh5/code/html5\\_content\\_editable/show.html](http://media.pragprog.com/titles/bhh5/code/html5_content_editable/show.html)

## User information

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# Wrapping it up...

## Tutorial + demo

http://  
code.tutsplus.com/  
tutorials/how-to-build-  
cross-browser-html5-  
forms--net-17140

### Cross-browser HTML5 forms

with [Webforms2](#), [Modernizr](#), [jQuery UI](#) and other jQuery Plugins.

Slider

Numeric spinner

Date picker

Color picker

Text field with placeholder

Url field

Email field

[Color Picker](#) plugin by [Stefan Petre](#)  
[Numeric spinner](#) by [Brant Burnett](#)  
[Placeholder](#) by [Viget Labs](#)

Cross-browser HTML5 Forms by [Cristian Colceriu](#)  
[Twitter](#) - [Email](#)