Announcements

- This week
  - No quiz
  - No lecture or labs on Wednesday
  - No school on Thursday or Friday
  - No CLUE Tutoring

- Drop-In labs this week
  - Tuesday only
  - 8:30-9:20am and 5:00-5:50pm MGH 430

Announcements

- Project 2B due on Wed., December 2

General comments

- The programmer's habits of mind
  - Read instructions
  - Work slowly and carefully
  - Pay attention to details

Overview

- Gender changes based on what the user chose in the dropdown menu
- Arrays set up the series of pronouns for each gender
- Use conditionals to choose which array to use

PROJECT 2B
The gender arrays

var MalePronouns = new Array
("he","his","him","man","men");
var FemalePronouns = new Array
("she","her","her","woman","women");
var PersonPronouns = new Array
("one","one's","one","person","persons");
var PeoplePronouns = new Array
("they","their","them","people","people");

var gender;

Gender in your story

- Each gender has its own pronoun array
- Edit the array to include the words needed by your story
  - Replace Man with King, Prince, Boy, or Uncle
  - Replace Woman with Queen, Princess, Girl, or Aunt, etc.

Gender pronoun arrays

- Include only as many pronoun arrays as you have choices in your dropdown menu:
  var MalePronouns = new Array ("King","he","his");
  var FemalePronouns = new Array ("Queen","she","her");

Gender dropdown menu

- The user chooses the gender of a main character in the story from the dropdown menu
  <label for="genderlist">Choose gender:</label>
  <select name="genderlist" size="1" id="genderlist">
    <option value="Male">man</option>
    <option value="Female">woman</option>
    <option value="Person">person</option>
    <option value="People">some people</option>
  </select>

Grab the user's gender choice

- Before you can do anything, you have to grab the user's choice from the genderlist dropdown menu:
  var genderlist = document.getElementById("genderlist").value;
Grab the user's gender choice

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```javascript
var genderlist = document.getElementById("genderlist").value;
```

Conditionals

- Conditionals select the pronoun array that matches the gender selected:

```javascript
if (genderlist == "Male") {
    gender = MalePronouns;
} else {
    gender = FemalePronouns;
}
```

Assigning the array to a variable

- If you assign an array to a variable,
  - The variable becomes an array
  - Each element is accessible by array methods
    gender[0] or gender[2]
The Document object gives you access to the browser's DOM tree. You've used it for several labs now: `document.getElementById("zone1").value`.

Here's the HTML as the browser sees it!  

```
<html>
<head>
<title>Webville Tree Farm</title>
</head>
<body>
  <p>Welcome to the Webville Tree Farm. We're still learning about CSS, so pardon our plain site. We just bought a<html>book</html> about CSS, and we're hoping to use it soon.</p>
  <p>You can visit us at the corner of Binary Blvd. and DVD Drive. Come check us out today!</p>
</body>
</html>
```

getElementByID("id")
- attach ID-attributes to HTML tags and access page elements by this notation, instead of having to wade through the hierarchy.

appendChild()
- Use appendChild() and .text or .innerHTML instead of += concatenation.

generateByTagName("div")
- Search through all the <id> tags.