



**ID1354**  
**Internet Applications**  
**Assignment 1**

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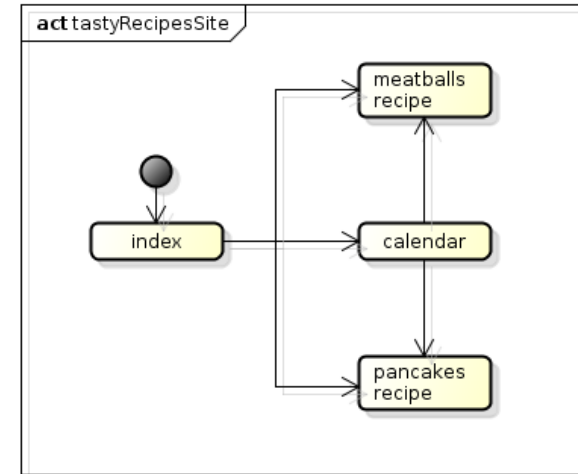
SCS/ICT/KTH

# Goal

- Learn **HTML** and **CSS**.
- Learn basic heuristics for **user interface design**.
- Learn **responsive web design**.
- You will create a web site for a recipe company named ***Tasty Recipes***

# Web Site Overview

- The web site has an index page, a calendar page and a number of recipe pages.
- **index.html** is the entry page to the site. It contains a list with links to all recipes and a link to the food calendar
- **calendar.html** is a food calendar where each day has a link to the recipe for that day.



- There is **one page for each recipe**. Currently, there are two recipes, meatballs and pancakes.

# Mandatory Tasks

The following tasks must be solved and reported at the seminar.

1. **Install a web server** on your computer. Be prepared to spend quite a lot of time to get the web server running.
2. **Create HTML and CSS files** to implement the ***Tasty Recipes*** web site described on the previous page. The pages shall look as specified below, the site shall run on your local web server. **All HTML and CSS files must pass the W3C validations.**
3. The design shall **follow basic heuristics for user interface design.**

# Optional Tasks

You choose freely between these tasks.

1. The web site **changes layout according to screen resolution**. It shall make sense on screen sizes ranging from 320x480/480x320 to 1920x1200 pixels.
2. The web site behaves **exactly** the same way on the following browsers (and newer versions of the same browsers):  
Chrome 31, IE 10, Firefox 26, Safari 6.

# Requirements on the Index Page

- This is the front page of the web site and shall therefore be informative and welcoming.
- It shall contain links to all recipe pages and to the calendar page.

# Requirements on the Recipe Pages

- A recipe page shall contain the name of the dish, an image of the prepared meal, a list of ingredients, instructions, nutritional facts and user comments.
- The user shall not be able to write comments, you shall instead hard code sample comments.
- You can get inspiration from any recipe site, for example <http://www.tasteofhome.com/recipes/swedish-meatballs?cpi=1&ViewAll=1>

## Swedish Meatballs Recipe



Swedish Meatballs Recipe photo by Taste of Home

Prep: 30 min. Bake: 1 hour Yield: 8-10 Servings

### Ingredients

- 4 eggs
- 1 cup milk
- 8 slices white bread, torn
- 2 pounds ground beef
- 1/4 cup finely chopped onion
- 4 teaspoons baking powder
- 1 to 2 teaspoons salt
- 1 teaspoon pepper
- 2 tablespoons shortening
- 2 cans (10-3/4 ounces *each*) condensed cream of chicken soup, undiluted
- 2 cans (10-3/4 ounces *each*) condensed cream of mushroom soup, undiluted
- 1 can (12 ounces) evaporated milk
- Minced fresh parsley


### Directions

- In a large bowl, beat eggs and milk. Add bread; mix gently and let stand for 5 minutes. Add beef, onion, baking powder, salt and pepper; mix well (mixture will be soft). Shape into 1-in. balls.
- In a large skillet, brown meatballs, a few at a time, in shortening. Place in an ungreased 3-qt. baking dish. In a bowl, stir soups and milk until smooth; pour over meatballs. Bake, uncovered, at 350° for 1 hour. Sprinkle with parsley. **Yield:** 8-10 servings.

### Nutritional Facts

1 serving (1 each) equals 399 calories, 23 g fat (9 g saturated fat), 164 mg cholesterol, 1,065 mg sodium, 20 g carbohydrate, 1 g fiber, 27 g protein.

# Requirements on the Calendar Page

Sun	Mon	Tue	Wed	Thu	Fri	Sat
	1	2 	3	4 	5	6
7	8 	9	10	11	12	13
14	15	16 	17	18	19 	20
21	22	23	24 	25	26	27
28 	29	30	31			

- The calendar shall be a visual representation of one month, as illustrated above.
- There shall be clickable images of the month's dishes. The images shall be links to recipes.
- Your calendar shall have dishes two days in the month, the meatballs day and the pancake day.



# Requirements on All Pages

- All pages must have **similar layout and behaviour**. This applies to fonts, colors, mouse hovering, links, icons, images and *all other* properties of the pages.
- You must **explicitly choose** page layout; font size, family and style; foreground and background color; mouse hovering and link behaviour. *None* of these properties may have the default value just because it is the default.

# Auto-Generated Code and Copying

*All HTML and CSS code must be well-formatted and you must be able to explain and motivate every single part.*

*However:*

- You are allowed to use any web development tool, you do not have to write HTML and CSS by hand.
- You are allowed to copy HTML and CSS from any web site. In particular, you are encouraged to get inspiration from (or use) free design templates.