



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

**Leif Lindbäck, Nima Dokoochaki**  
**leifl@kth.se, nimad@kth.se**

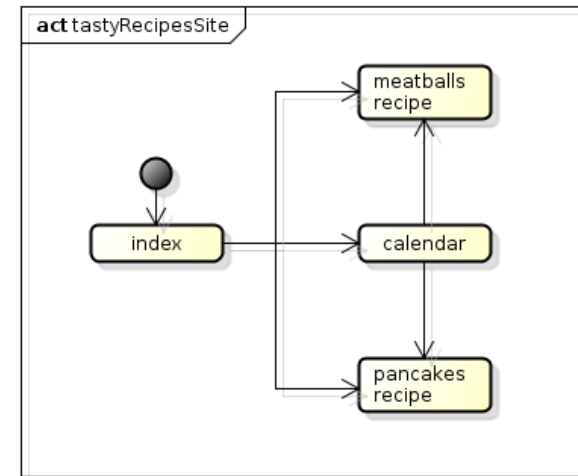
SCS/ICT/KTH

# 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. You get one point for solving one task, two points for solving both. The mandatory tasks do not give any points at all.

- 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.