

## Web Engineering

### Spring Term 2017

#### Exercise 1

*LaPlace* is a well known restaurant in Zurich. This year, they decided to renovate their website to a more modern looking one. More in detail, they requested a minimalist, but cool one page website. To get started, they asked a web designer to come up with a suitable design and layout for their site. After days of work, the designer came up with a possible solution and the client seem pretty happy with it. Now, they want to see it implemented and therefore need you. Your task is to develop and design the layout proposed by the web designer.

Note: Goal of the first series of exercises is to get hands-on experience with basic web technologies. This is the description of the first part of Exercise 1.

#### Exercise 1.1 *Design and Layout using CSS*

In this step of Exercise 1, you are asked to recreate the design and layout for a *restaurant* one-page website. To help you get started, you are provided with the bare HTML structure. Specifically, we included the HTML for the entire website. Since it is a one-page website, the HTML is structured in sections: home, about, menu, events and contacts. The asset archive contains all the necessary resources, as well as the mockup screens of the desired design and layout of each section. Your task is to implement the CSS and complement the HTML where necessary. Since the designer put a lot of effort to create the mockups, you want to get it right! Please closely follow the mockup screens.

To guide how you should approach this task, please consider the following steps.

1. Identify common and different components between sections. Make sure that all sections share a single, common CSS stylesheet to increase reuse.
2. Start from those components that contain and wrap others to later focus on the details of each component.
3. Use the available properties of CSS to size, position and style the components as illustrated in the mockup screens (Figures from 1 to 5).
4. Keep in mind that the mockups refer to a one-page website. Therefore, all the sections should be available on the same page by simply scrolling up-down. The menu should be always on top while scrolling.

**Workmode and Grading.** All exercises in the Web Engineering course are designed for teams of 3 students. Every member has to contribute to the team solution, and the assistants may ask about the role of each member and who contributed what.

This is the first part of Exercise 1. The second part will be presented the 9th of March 2017. The two parts build on top of each other. The final team solution for Exercise 1 (part one and part two) will need to be presented during the exercise session on 16th of March 2017 in IFW A 36.

**Grading Scheme** For each part of the graded exercises, we provide a set of requirements which are going to be assessed separately. For each set of requirements, your group can get a certain amount of points. If you fulfill the requirements only partially or fail to answer corresponding questions during the presentation, points will be deducted. No or wrong solutions get zero points.

The number of requirements may differ between the parts and thus reflect their respective weights. For Exercises 1.1, the set of requirements are specified as follows:

#### **Summary of Requirements - Part 1 (Max. points: 3)**

- Design and layout implemented in CSS for the *home*, *about* and *menu* sections.
- Design and layout implemented in CSS for the remaining section: *events* and *contacts*.

**Note** JavaScript and any kind of CSS Framework are not allowed. Your solution should make use only of HTML and CSS.

Please note that the above list *is not* a complete set of *requirements*. To successfully complete the exercise, you should read the entire exercise description. For questions and/or doubts please contact one of the assistants.

You can find a high-quality screenshot of the entire one-page web site at this link<sup>1</sup>. Please note that some pictures in this file could be slightly different from the ones shown here, the reasons for this will be explained during exercise 1.2 next week.

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<sup>1</sup><https://globis.ethz.ch/files/2017/03/entirepage.png>

About

Menu

Events

Contacts



# LaPlace - Zurich

[Book a Table](#)

## Welcome

LaPlace Restaurant was founded in May of 2015. The cuisine we serve is created with the utmost attention to details. Our emphasis is on providing fresh, locally sourced, exquisite food. As such our menus change on a regular basis, allowing us to offer you mouth watering, perfectly prepared dishes.

Figure 1: Design and layout for the *home* section. The navigation menu should **always** be fixed on top while scrolling down to the other sections.

## High Quality Cuisine

Our cuisine is a melting pot of different cultures which have come together to form a unique blend of flavours and techniques.

## Only the Best Ingredients

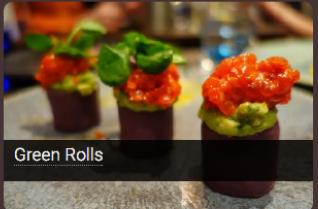
It's vital to our operation to make sure everybody is aware of the quality of the ingredients we use. As the choices we make in terms of which supplies we buy for our recipes is intrinsic to factors such as the healthiness of the food we make to the price you pay for it. That's why on our menus you find the origins of each of our ingredients.

### Our Menu

- Appetizers
- Fresh Pasta
- Meat - Fish
- Dessert



Bruschette with Tomatoes



Green Rolls



Eggplants



Bruschette



Meatballs



Spicy Beans

Figure 2: Design and layout for the *menu* section

## Our Events

In our Philosophy, a restaurant is not only a place where to eat but also to communicate and know new people. For these reasons we organize various events every month.

### Upcoming Events



**Learning to Cook**  
12/03/2017 10:30 a.m.

Get the basic skills every home cook needs to be successful and happy in the kitchen. Ditch recipes by learning basic cooking formulas. Come and learn how to [\[Read More\]](#)

**Pasta Day**  
11/03/2017 18:00 - 23:00

The fresh pastas offered at LaPlace are made right in our restaurant. And if you've only ever had boxed pastas, you are truly missing out! Once every two months we celebrate Pasta with an event [\[Read More\]](#)

**Happy Hour**  
03/03/2017 18:00 - 23:00

It's Friday!!! Come and enjoy the start of the weekend with us. Our Happy Hours offer the best combination of nice drinks and food. To reserve a sit please register to the event [\[Read More\]](#)

### Past Events



**10th Anniversary**  
01/12/2016 18:00 - 23:00

**Pasta Day**  
20/11/2016 18:00 - 23:00

**Happy Hour**  
11/11/2016 18:00 - 23:00

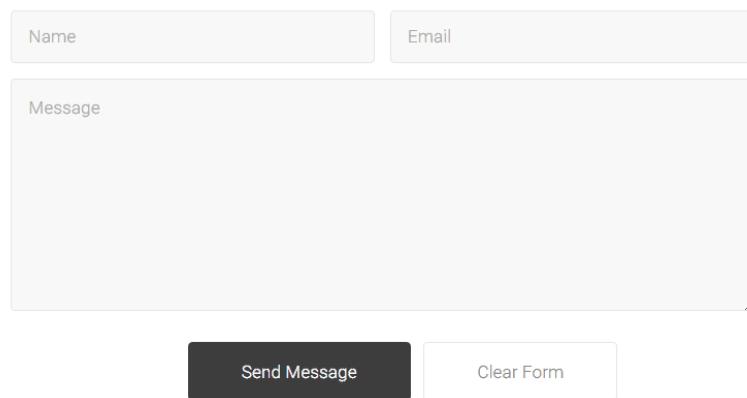
**Salsa**  
01/11/2016 18:00 - 23:00

[See More](#)

Figure 3: Design and layout for the *event* section

## Contact us

Feel free to contact us for any kind of issues or questions



The image shows a contact form with the following layout:

- A horizontal row with two input fields: "Name" on the left and "Email" on the right.
- A large text area labeled "Message" for entering a message.
- At the bottom, there are two buttons: a dark button labeled "Send Message" and a light button labeled "Clear Form".

Figure 4: Design and layout for the first half of the *contact* section, with a form to contact the owners

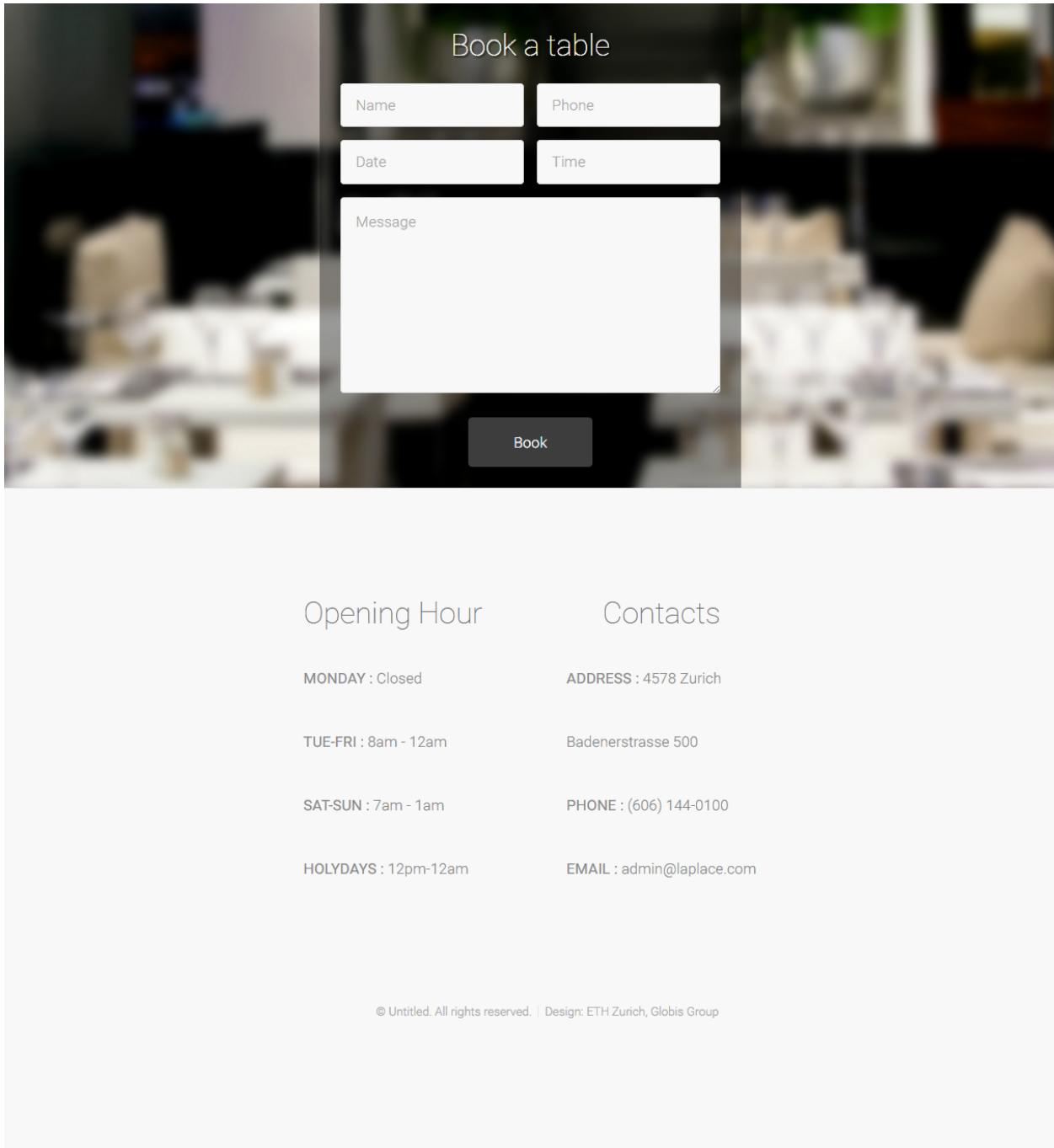


Figure 5: Design and layout for the second half of the *contact* section and the footer, with a form to book a table and contact details

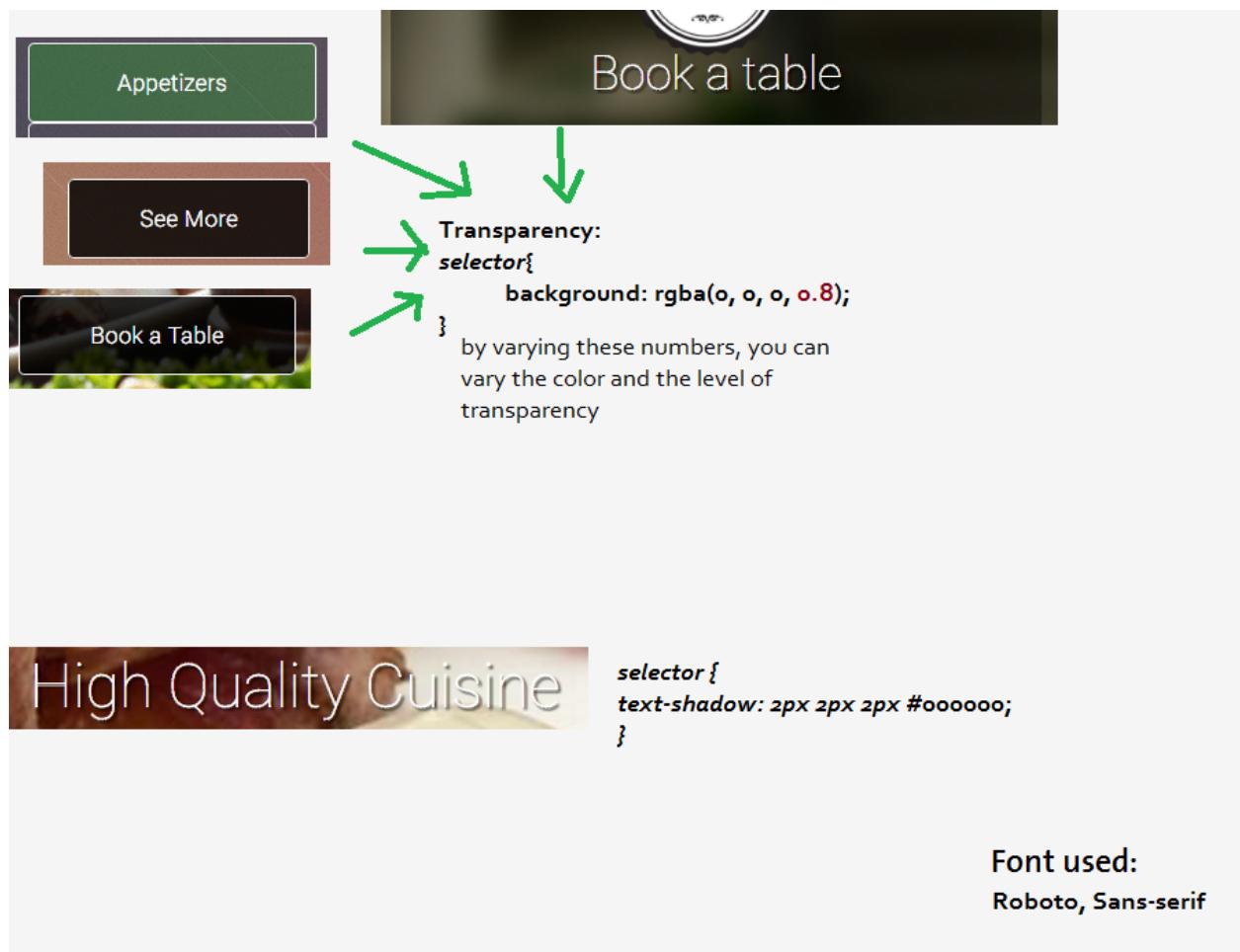


Figure 6: Tips for the transparency of elements, text shadows and font used