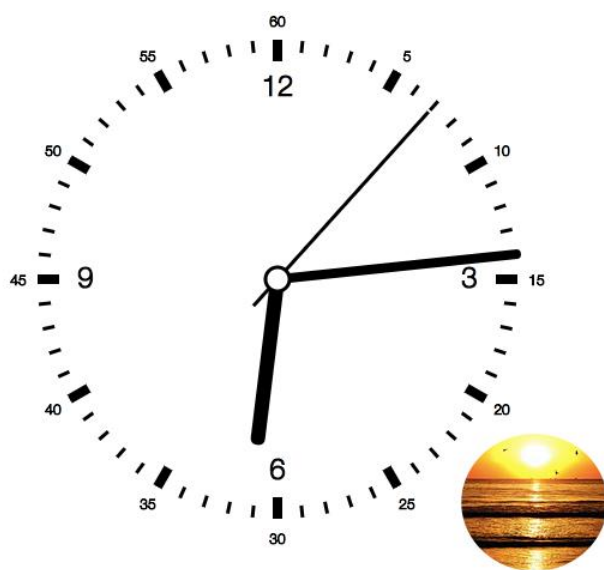# Design Document

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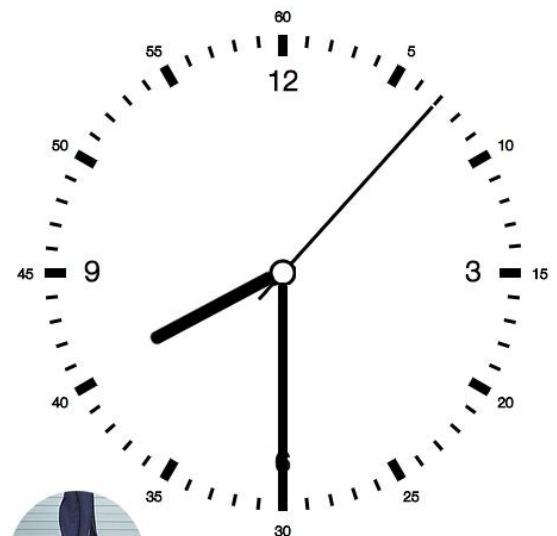
In this document, we are going to present our design for the project. We will explain how our visualization was conceived and how the users will interact with our webpage. We created three different pages dedicated to three different manipulations. Our main goal is to allow the user to explore the time use data set and to compare it to his own schedule.

In the following, we will be presenting the three visualizations we came up with:
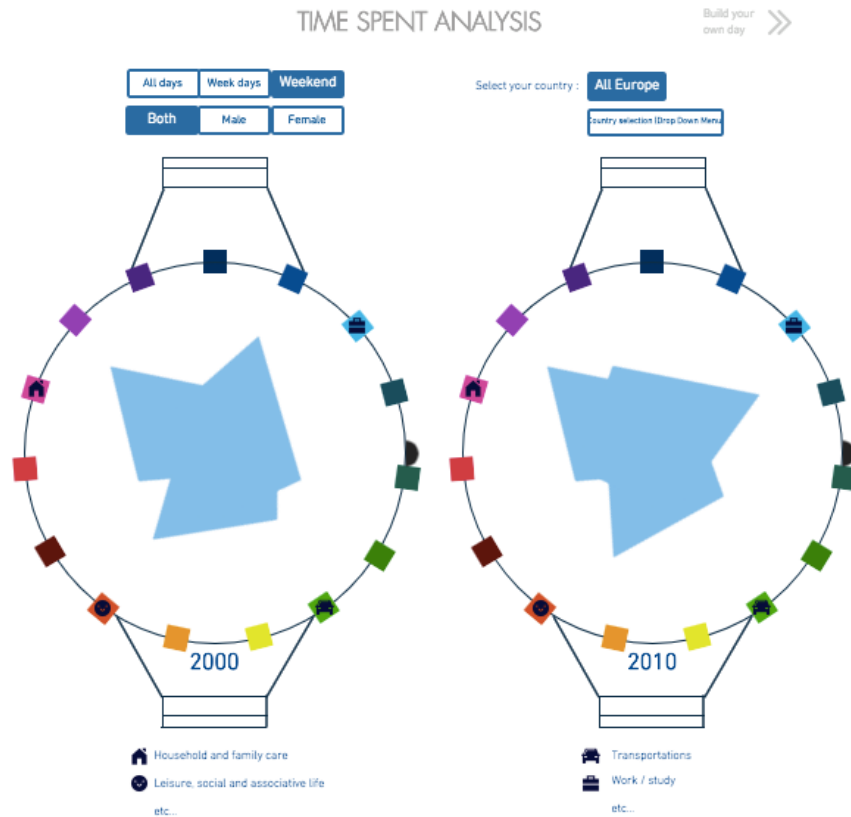
1. The Landing Page

These first sketches represent our landing page. When the user accesses our website, an animated D3js clock appears showing the different activities throughout the day using gifs that change with time. This animation will be based on the data we gathered and will represent an average day's activities in Europe. The purpose of this landing page is to highlight the main objective of our application, therefore it does not contain any specific interaction except the *Let's start* button that redirects towards the homepage.

The Watchmakers

2. The Homepage

TIME SPENT ANALYSIS

Build your own day »

| All days | Week days | **Weekend** |

| **Both** | Male | Female |

Select your country : **All Europe**

Country selection (Drop Down Menu)

2000

2010

🏠 Household and family care

😊 Leisure, social and associative life

etc...

🚗 Transportations

💼 Work / study

etc...

The homepage consists of two watches each representing a different year (2000 and 2010). Each square on the watch dial corresponds to one of the 15 categories of activities preliminarily created. The diagram in the middle shows the time spent on each activity within 24 hours. The user will be able to manipulate the different filters that we can see on the top of the page: country (all European countries by default), sex (both by default), weekdays (all days by default). This will allow him to visualize the data according to the filter he chooses and to compare the time use distribution between 2000 and 2010. Finally, there is a button on the top right of the page that redirects to the last page presented below.

The Watchmakers

3. The "Build your own day" page

The last page of our application is the most interactive one since the user can build his own day choosing the activities he performs and the duration of each one. First, he has to fill the form presented on the left and then click on the *build* button so that the pie on the right appears. Afterwards by clicking on the *Submit* button, he will be able to compare his typical day to the average day of his country.

The Watchmakers