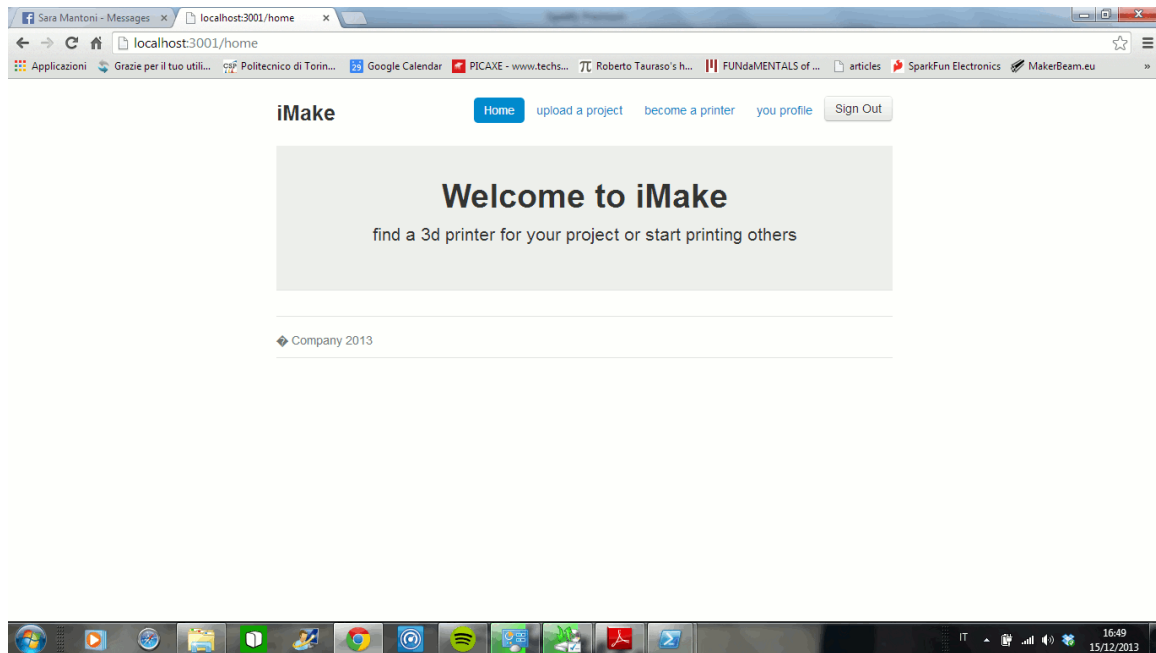


# Project 3doers

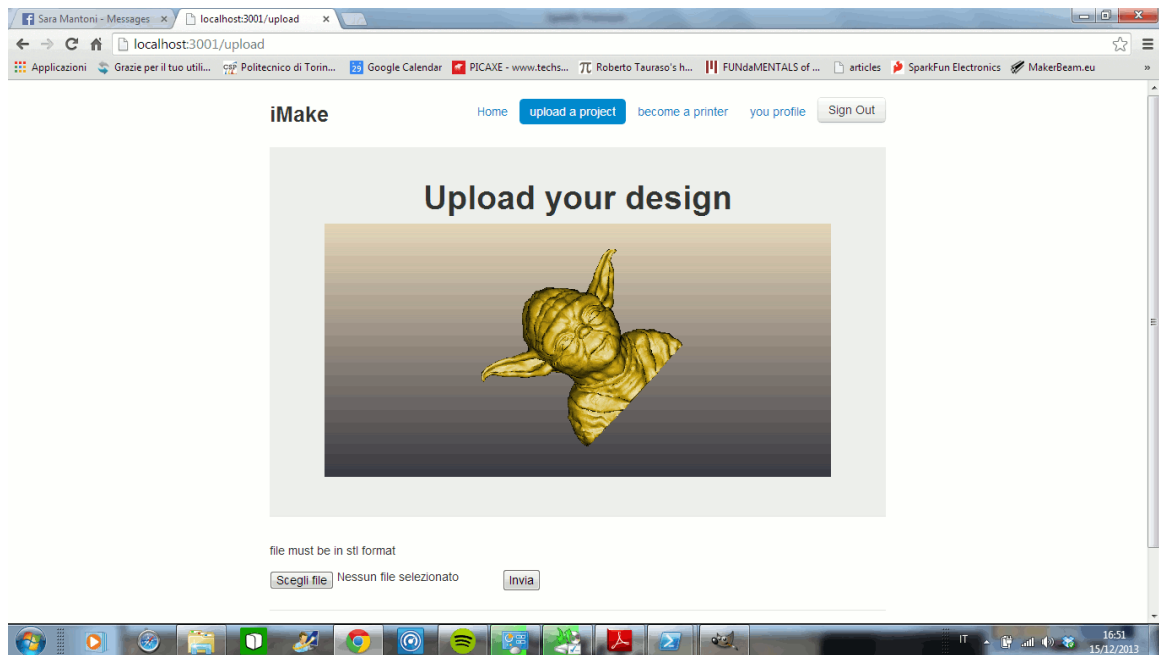
## 4 Pages partially developed:

### Home



this page doesn't need changes from you. However a landing page needs to be created for non-logged-in users. It needs to be like this without the menu bar. Leave only the home.

### Upload a design



This is the page I actually worked on. It uploads an stl file, saves it in the temp directory. And visualise it in a viewer. The viewer does not use OpenGL but it's pure JS. Then it analyses the file with a php script that runs on an external server. The php script returns the volume of the object and it is visualizes on the page.



Object Volume: : 5.7100905403233 cubic cm  
file must be in stl format

Nessun file selezionato

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◆ Company 2013

Ideally I would like you to rewrite the php code in js, but it can be done later. In the meantime I need you to set up a php stack somewhere free.

Add color choices, give just 4 possibilities of your choice.

Cancel the abs drop down menu. Create a “number of pieces” box At the moment the “calcola prezzo” (calculate price) doesnt work.

The “bassa” drop down menu is the density. Assign the following numeric values to che choices:

Basse = 0.25

Media = 0.5

Alta = 0.75

Pieno = 1

Upon pressing “calcola prezzo”, take the volume multiply it times the density, times the number of pieces and then times 0.019. That’s the base price. I will work later on a more complex formula.

Show the result somewhere on the page. Add a submit button to place the order. It will redirect to paypal. Here you have the credentials to the paypal bussiness account I created.

Id: [3doers@gmail.com](mailto:3doers@gmail.com)

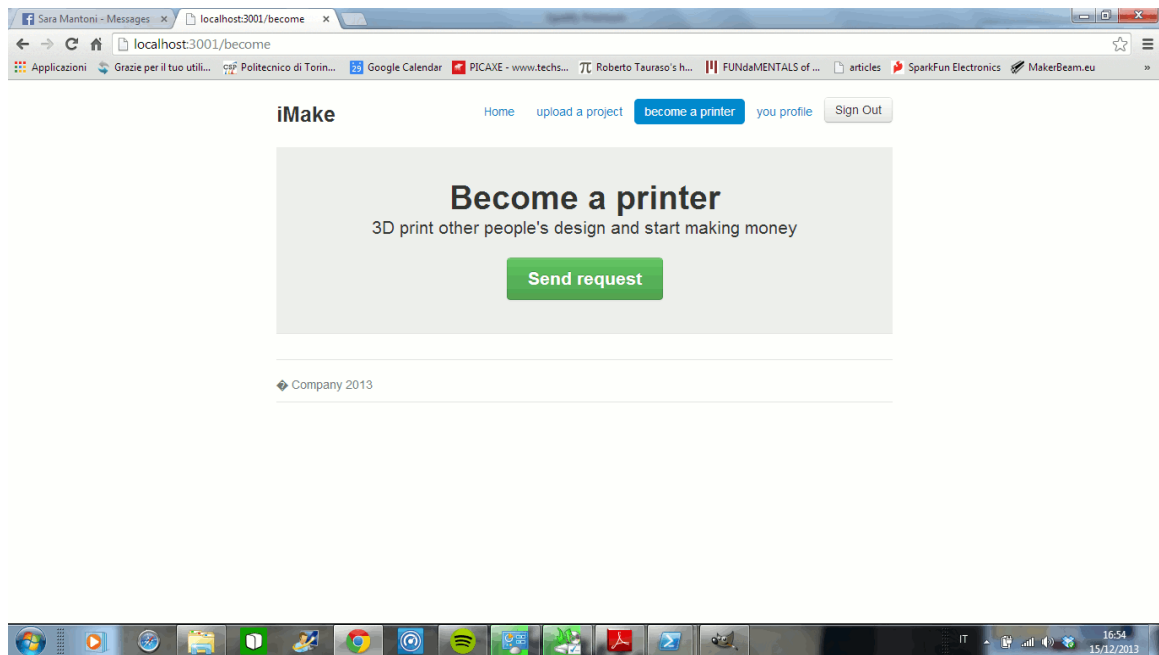
Pw: mattia13

I am not familiar with implementing payment system, so I hope you can help me here.

If the payment is successful a new order should be created and stored in the mongo database. The STL file should also be stored in a folder that is used only for this specific user. The database must contain a link to the stl file, the density, the user id, the number of pieces, the color and the price.

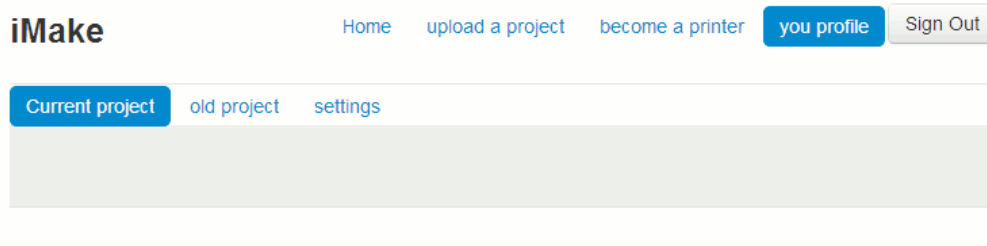
The user is then redirected to a confirmation page (to be created). And then to the home page. And email with some info should also be sent to him.

**Become a printer**



This page does not need much work only activate the “send request” button. Upon pressing it send an email to our email [3doers@gmail.com](mailto:3doers@gmail.com) and the user email ( he must be already registered to see this page). Create a pop up to confirm the sending of the email. Ideally, store in the user account if he has already requested to become a printer. So upon a secon pressing it will be show that he has already requested.

## Your profile (only partially developed)



The “your profile page is divided in 3 tabs. One more tab need to be added called “printing jobs” this tab is visualized only if the user is also a printer. So this parameter needs to be added to the Mongodb scheme for each user. The devault value is “NO”. I will tell you later about the “ printing jobs page.

The “current project” shows the object you have ordered and their current status. Make it a list whit each line being a record. Each record shows a small icon of the project, the date, the name of the object, the price they are paying and the status. 3 status are possible: “searching printer”, “printing”, “shipping”. After shipping the record is moved to the old project page and the status is cancelled.

The “settings” shows the account information of the user and gives the possibility to change the password.

The “printing jobs” tab, which is only visible to printers , opens 3 new sub tabs :

### 3 tabs to be fully developed

The “available jobs” is also a list of orders that the printers can see. They must have the possibility to chose one of those orders and accept to print it.

Upon clicking on an order they must be able to see the STL file in the 3d visualizer and all the info related to the order. Then we need a button where they accept the job. Upon clicking on the “accept job” button the order will be removed from the printing jobs list so no other printer will apply for it. They will receive in their email all info and stl files. The record is moved to “jobs you are printing tabs” When the item is received by the customer they will be paid with paypal and the record will be moved to the “old jobs” tab.

For the moment we were thinking of making the payment manually but if you have an easy suggestions to implement we can change idea.

### Optional jobs

These are other things we’ll need in the future, we can talk about it later if you are interested.

We’ll need a control pannel to overview all data on servers and all operation/transaction.

We'll need to automatize the operations of the website. Now we are only developping an MVP.

We'll need geolocalization of our customers and printers.