

Ecole Normale Supérieure de l'Enseignement Technique
Mohammedia

Software Engineering and Distributed Computer Systems

METEOR WEB PROJECT

MULTI-USERS BLOG

DEPLOYED AT MOUSTAID.METEOR.COM

METE  R

Developed by
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Framed by
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2015/2016

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1. To do

A-Définition des besoins fonctionnels

- L'application doit permettre à tous les utilisateurs de visualiser tous les articles (posts).
- N'importe quel utilisateur peut créer un compte dans l'application en renseignant les champs : username, email et password.
- Les comptes utilisateurs doivent avoir un champ « profile ».
- Un utilisateur peut éditer son profil pour y ajouter son nom et prénom et éventuellement une photo.
- Tout utilisateur authentifié peut ajouter des articles, modifier ou supprimer ses propres articles.
- Les articles sont consignés dans la collection MongoDB « posts ».
- Un article est caractérisé par au moins les champs suivants:
 - o author (userId),
 - o title (titre de l'article)
 - o content (contenu de l'article)
 - o createdAt (date de création)
- Un article créé est automatiquement publié et est visible par tous les utilisateurs.

B-Structure de l'application

L'application doit comporter un menu de navigation avec les liens suivants :

Blog : Il pointe vers la page d'accueil. Celle-ci doit afficher les quatre derniers articles avec un système de pagination permettant d'accéder aux autres articles.

Posts : Affiche un tableau des dix derniers articles avec un système de pagination.

Le tableau comporte trois colonnes ; le nom de l'auteur, le titre de l'article et des liens pour modifier ou supprimer. Les liens ne devraient apparaître que pour les propriétaires (auteurs) des articles.

About : contient un contenu statique.

Contact : contient un formulaire de contact avec les champs email (requis), message (textarea, requis) et un bouton de soumission. Les messages peuvent être enregistrés dans une collection MongoDB (messages) accessible uniquement à un administrateur.

C-Travail demandé

1. Créer l'application « blog » en prenant soin de d'explicitier la structure des fichiers et des packages installés.
2. Publier votre application « meteor.com »
3. Créer un rapport décrivant les différentes étapes de réalisation du projet tout en l'agrémentant de copies d'écrans.
4. Mettre une copie de votre application, et votre rapport dans un dossier nommé par votre nom et prénom sous la forme « nom_prénom ». Comprimez le tout et envoyez-le à l'adresse correspondant à votre classe « classe@daaif.net » (Attention, il faut remplacer class dans l'adresse email)

2. Packages

A.Packages added

Packages are added using the command line: **>Meteor add namePackage**

- Iron:router
Used to: Get the first data from using conditions and options on a collection
- mrt:bootstrap-3
Used to: Implement Bootstrap on blog
- accounts-password & accounts-ui
Used to: implement accounts/users management on the blog
- msavin-mongol
Used to: keep track of the data on the Mongo DB
- okland:camera-ui
Used to: Get the first data from using conditions and options on a collection
- alethes:pages
Used to: Implement pagination system on blog

B.Packages removed

Packages are removed using the command line : **>Meteor remove namePackage**

- insecure
Removed to: deny updating and inserting data from the client
- autopublish
Removed to: deny publishing a lot of data on the client which is unused,i use
Meteor.publish() on Server and Meteor.subscribe() on Client to control received data on
the client

3. Collections

A.Collection Post

- title
- content
- createdAt
- updatedAt
- author

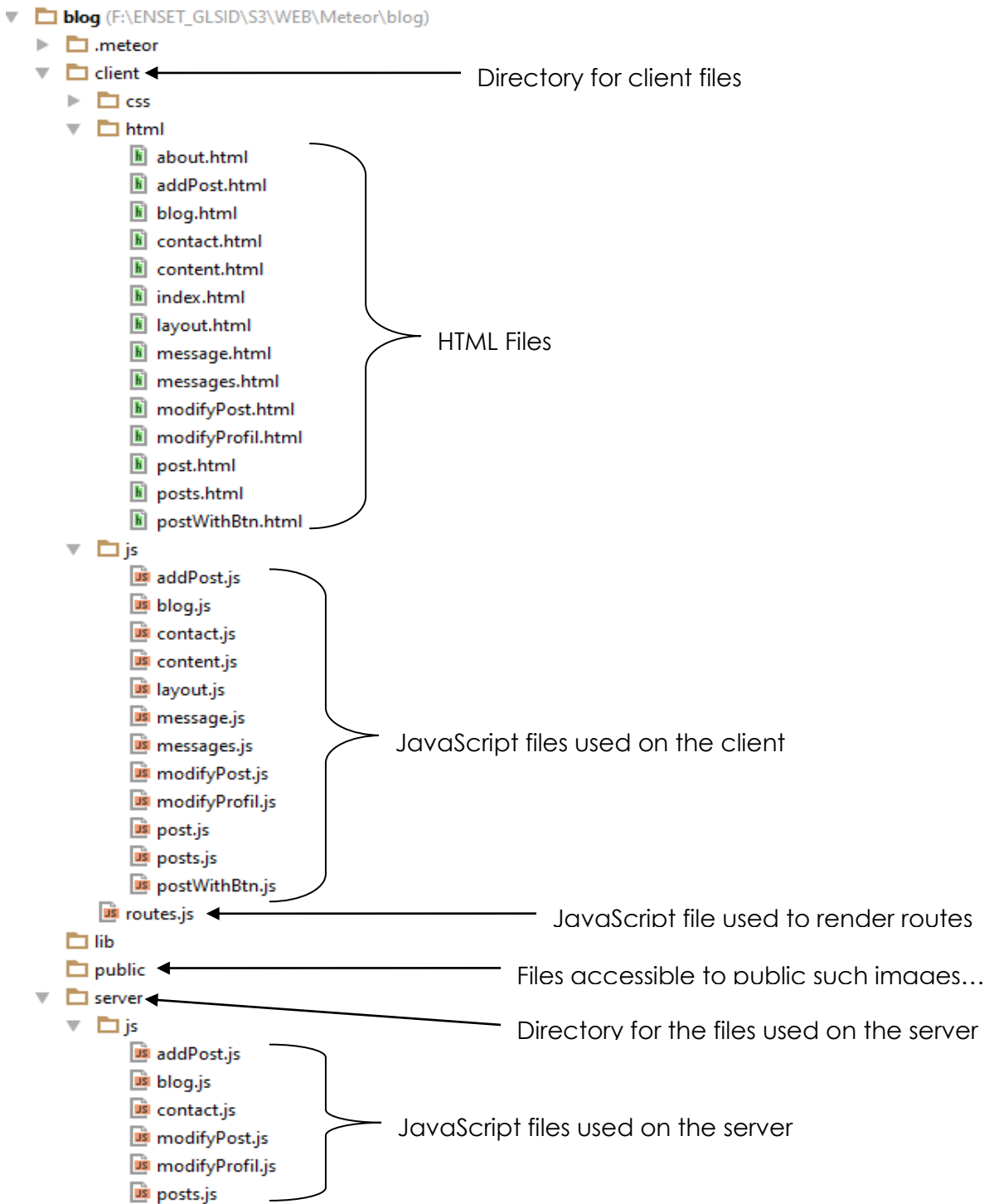
B.Collection Messages

- obj
- content
- sentAt
- sentBy
- email

C.Collection Users

- username
- email
- profile{firstName, lastName, picture}

4. Structure and files



5. Methods

A.Methods on client

- `Template.nameTemplate.events({events});`
Used to: Handle events and define actions
- `Template.nameTemplate.helpers({functions});`
Used to: Define functions/variable used on template
- `Meteor.call(nameTemplate,[arguments list]);`
Used to: call method defined on the server
- `Meteor.subscribe(publisherName);`
Used to: Subscribe for publisher (data) defined on the server
- `Accounts.ui.config({passwordSignupFields : 'USERNAME_AND_EMAIL'});`
Used to: Add username and email when creating account
- `formatDate:function(d){ return(new Date(d)).toLocaleString();};`
Used to: Format the timestamp date to local format
- `MeteorCameraUI.getPicture({picture options},function(er,Data){});`
Used to: Get taken picture with camera
- `Y=new Meteor.Pagination(nameCollection,[pagination options]);`
Used to: Implement pagination on a collection

B.Methods MongoDB

- `X=new Mongo.Collection(mongoDbCollectionName);`
Used to: Get Collection from Mongo DB
- `nameCollection.find([conditions],[query options]);`
Used to: Get cursor on some data of collection using conditions and options
- `nameCollection.findOne([conditions],[query options]);`
Used to: Get the first data using conditions and options on collection
- `nameCollection.remove({conditions});`
Used to: Remove data from collection using conditions and options
- `nameCollection.insert({attribute:value});`
Used to: Insert data into collection
- `nameCollection.update({conditions},{set:{attribute:value}});`
Used to: Update data on collection using conditions and options
- `Meteor.user();`
Used to: Get the first current user (connected user on the blog)

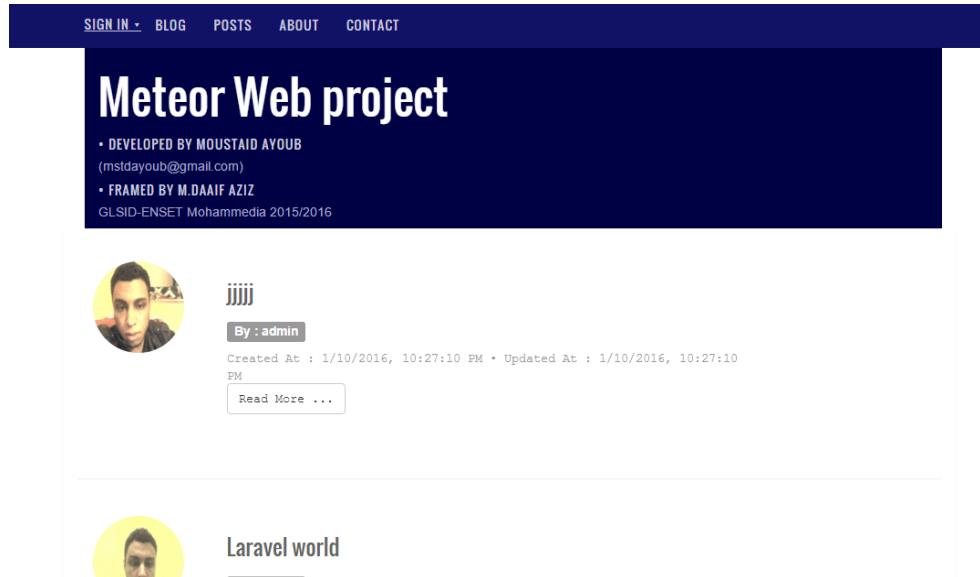
C.Methods on server

- Meteor.methods({functions});
Used to: Create methods on server, to be called from client
- Accounts.onCreateUser(function(o,user){
 user.profile={
 firstName:'empty',
 lastName:'empty',
 Picture:'null'
 };
 return user;
});

Used to: Set a profile with empty first name, last name and picture on creation of user

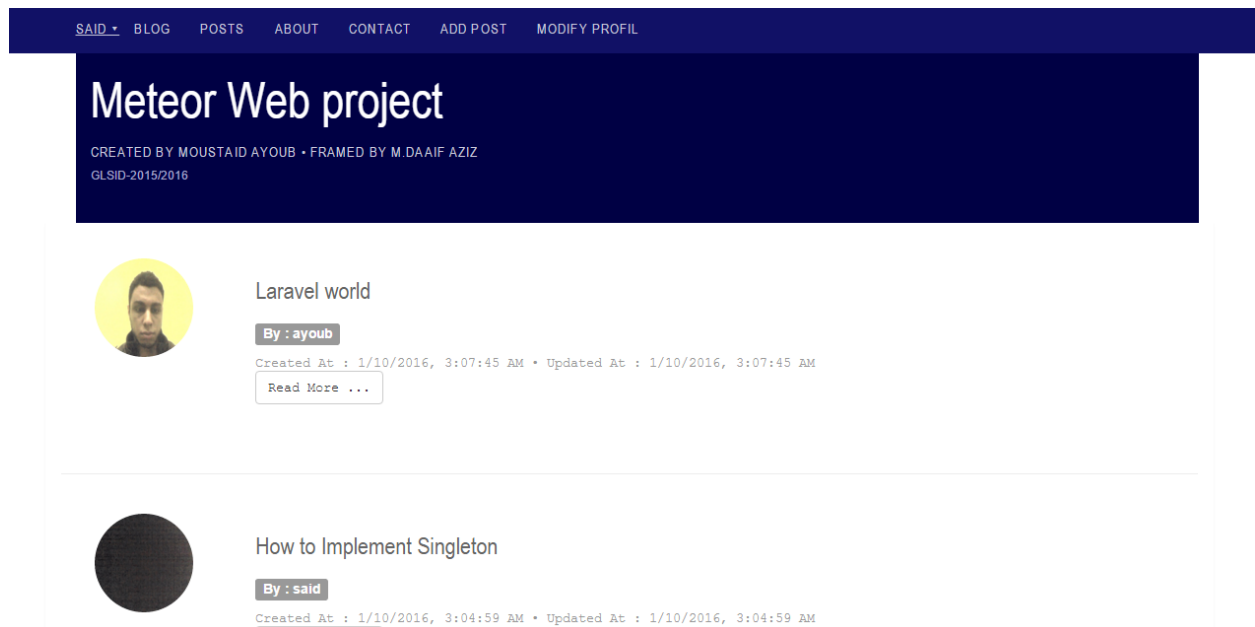
6. Developed blog

A. Visitor home page



Visitor has possibility to access blog, posts, about and contact pages, sign in and create account.

B. Authenticated user home page




Authenticated user can access blog, posts, about, contact, create post and modify profil pages.

C.Administrator home page

[ADMIN](#) • [BLOG](#) • [POSTS](#) • [ABOUT](#) • [CONTACT](#) • [ADD POST](#) • [MESSAGES](#) • [MODIFY PROFIL](#)

Meteor Web project

CREATED BY MOUSTAID AYOUB • FRAMED BY M.DAAIF AZIZ
GLSID-2015/2016




Laravel world

By : ayoub

Created At : 1/10/2016, 3:07:45 AM • Updated At : 1/10/2016, 3:07:45 AM

[Read More ...](#)



How to Implement Singleton

By : said


Created At : 1/10/2016, 3:04:59 AM • Updated At : 1/10/2016, 3:04:59 AM

Administrator can access all blog pages in addition he has possibility to read received messages from users.

D.Posts page

[SAID](#) • [BLOG](#) • [POSTS](#) • [ABOUT](#) • [CONTACT](#) • [ADD POST](#) • [MODIFY PROFIL](#)

Posts




Laravel world

By : ayoub

Created At : 1/10/2016, 3:07:45 AM • Updated At : 1/10/2016, 3:07:45 AM

[Read More ...](#)



How to Implement Singleton

By : said

Created At : 1/10/2016, 3:04:59 AM • Updated At : 1/10/2016, 3:04:59 AM

[Read More ...](#)

[Modify](#) [Delete](#)

Authenticated users can delete or edit their posts.

E.About page

[SAID ▾](#) [BLOG](#) [POSTS](#) [ABOUT](#) [CONTACT](#) [ADD POST](#) [MODIFY PROFIL](#)

About

This Blog is a web project created on January 2016

- Created by : [Moustaid Ayoub](#)
- Engineer student at : [ENSET Mohammedia](#)
- Speciality : [Software Engineering and Distributed Computer Systems](#)
- Framed by : [M.DAAIF Aziz](#)

This page gives information about the blog

F.Contact page

Contact

Email*

Object*

Content*

Send

Users and visitors can send messages to administrator using this page

G.Add post page

[SAID ▾](#) [BLOG](#) [POSTS](#) [ABOUT](#) [CONTACT](#) [ADD POST](#) [MODIFY PROFIL](#)

Add Post

Title

Content


Add

Add post page permits authenticated users to add posts on blog

H. Modify profil page

[SAID](#) [BLOG](#) [POSTS](#) [ABOUT](#) [CONTACT](#) [ADD POST](#) [MODIFY PROFIL](#)

Modify Profil

[Take & Modify picture](#)

First Name

Last Name


[Modify informations](#)

Authenticated users had possibility to edit their profil including modifying picture, first name and last name via this page


I. Messages page

[ADMIN](#) [BLOG](#) [POSTS](#) [ABOUT](#) [CONTACT](#) [ADD POST](#) [MESSAGES](#) [MODIFY PROFIL](#)

Messages



Submission
loremipsumloremipsumloremipsumloremipsumloremipsumloremipsumloremipsum
By : ayoub
Sent At : 1/10/2016, 3:08:19 AM



Adding post
problems when adding was fixed
By : ayoub
Sent At : 1/10/2016, 3:07:13 AM

This page it's accessible only for administrator and permits him to read received messages from users

J.Accounts



CLOSE

USERNAME

EMAIL

PASSWORD

CREATE ACCOUNT

SIGN IN

project

FRAMED BY M.DAAIF AZIZ

Laravel world

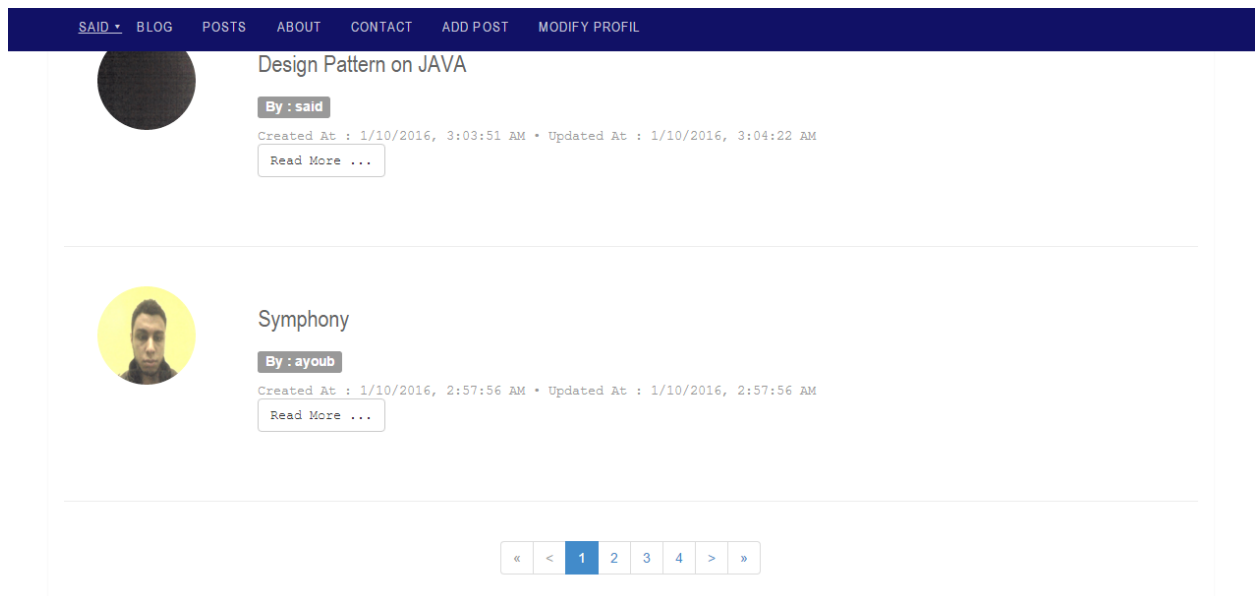
By : ayoub

Created At : 1/10/2016, 3:07:45 AM • Updated At : 1/10/2016, 3:07:45 AM

Read More ...

Blog visitors can sign-in or create accounts using username, email and password via this page

K.Pagination



SAID • BLOG POSTS ABOUT CONTACT ADD POST MODIFY PROFIL

Design Pattern on JAVA

By : said

Created At : 1/10/2016, 3:03:51 AM • Updated At : 1/10/2016, 3:04:22 AM

Read More ...

Symphony

By : ayoub

Created At : 1/10/2016, 2:57:56 AM • Updated At : 1/10/2016, 2:57:56 AM

Read More ...

« < 1 2 3 4 > »

The pages blog and posts print limited number of posts (only last 4 posts printed on page blog and last 10 posts printed on page posts), but they offer pagination system to fetch the other posts, the same way for the page messages which print 5 messages for administrator with pagination system to read other messages.

Complements:

Users can't let empty fields when adding posts, sending messages or modifying profile

7. Deployment

- The blog is deployed on **moustaid.meteor.com**
- The deployment was done using the command line:
>meteor deploy moustaid.meteor.com
- **To access administrator account**
Username: admin
Password: 123123