Faurecia

Fichier .docx à déposer sur Moodle MyEfrei dans l’espace ST2PFE1 avant le 31/10/2018 où le nom du fichier est de la forme numéro Equipe-titre-projet-en-quelques-mots

|  |  |  |  |
| --- | --- | --- | --- |
| Nom étudiant | Prénom étudiant | mail | téléphone |
| Luo | Zijian | Zijian.luo@efrei.net | 0650011099 |
| Wu | He | He.wu@efrei.net | 0761073199 |
| Cui | Shuo | Shuo.cui@efrei.net | 0603856723 |
| Cui | Zijian | zijian.cui@efrei.net | 0781438016 |
| Gao | Xinyi | xinyi.gao@efrei.net | 0651509892 |
| Xian | Yijie | Yijie.xian@efrei.net | 0659191149 |
|  |  |  |  |

# Vision produit

POUR (public concerné par le produit)  
QUI SOUHAITENT (formulation du besoin des cibles)  
NOTRE PRODUIT EST (ce qu’est le produit)  
QUI (le bénéfice majeur, l’utilité de la solution)  
A LA DIFFERENCE DE (pratique actuelle, concurrence)  
PERMET DE (éléments différentiateurs majeurs)

In the future, the manufacturing industry will usher in the era of Industry 4.0, and major manufacturing companies will follow this trend for digital transformation. The so-called industrial forth generation (Industry4.0) refers to the use of the information system (Cyber-Physical System CPS) to make the supply, manufacturing, sales information in production data, intelligent, and finally achieve fast, effective, personalized Product supply. To meet Faurecia's Digital Transformation and Industry 4.0 program, we developed a software that statistically analyzes, analyzes, and user’s visualization.

# Partenaires

Our partner is Faurecia, FAURECIA is the auto parts company under the Peugeot Citroen Group in France and the eighth largest auto parts supplier in the world. We provide a software for Faurecia to collect user data and then,statistic and visualize it.

# Planning prévisionnel

https://trello.com/invite/b/29vMUudQ/a684a49c27fcecfc75db63d9cc9fa247/pa6

# Livrables

We plan to deliver the whole project in February 2019

# Outils de gestion de projet / de communication

Under the leadership of the team leader, our team conducts an offline team meeting once a week, reports on the work of each week, and deploys the work of next week,and also discuss and solve the problems encountered. We communicate online work and use Trello for work planning. Besides,we conduct an exchange meeting with the school's tutor or Faurecia's tutor every two weeks to get the mentor's opinion.

# Technologies

The purpose of this project is to develop a web app, adopting the development mode of front-back and database, our programming language is Python3.7, the we use the micro web framework Flask to developer our web application, we write html, css, javascript in flask framework, we have two version of our project, one is dev version other is production version, we use dev version to test, and deploy our official project in production version, and in dev version, we use Flask Alchemy SQL, production version that we connect to mysql.

We use Scrum to distribute our task and look the processes for our situation

Problème

For our team, Python is a whole new world, so the first difficulty is the need to learn python and other knowledge needed. Includes flask, uWSGI.

Our team is a team of six Chinese who may not be able to quickly and accurately understand the requirements of school teachers and corporate teachers.

we need analyse the data, find some problems or affiche some useful information in our application. But we don’t have enough knowledge in the vehicle accessories for our subject

# Comment résoudre (technique, outils)

In terms of technology: check the information online, learn some online courses, and refer to other mature software. Inquire the bug in stack flow or google. Discuss with the members of the same group and discuss with the teacher.

In terms of communication: do our best to communicate with teacher and share our ideas and enforce our language skill