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To correct

To explain more deeply

# Chapitre 1

## Conception du système

### 1.1 Introduction

Of course talk here about what the chapter is about

### 1.2 Architecture du système

Try to be as precise as possible while letting room for more details to the next sections

#### 1.2.1 Couche utilisateur

What the users sees as input/output and the interfaces that are available for him

#### 1.2.2 Couche système

What the users doesn't see and what are the main components of the system

### 1.3 Module de reconnaissance automatique de la parole

#### 1.3.1 Architecture du module

#### 1.3.2 Modèle acoustique

**Données d'apprentissage**

audio files and their transcriptions

## **Type du modèle**

Deep neural network trained with end to end paradigm

### **1.3.3 Modèle de la langue**

#### **Données d'apprentissage**

Talk about the process of data gathering (github readmes and cleaning process)

## **Type du modèle**

N-grams

## **1.4 Module de compréhension automatique du langage naturel**

### **1.4.1 Architecture du module**

### **1.4.2 L'analyse sémantique**

### **1.4.3 Analyse sémantique basée sur les grammaires de dépendances**

### **1.4.4 Analyse sémantique avec apprentissage automatique**

#### **1.4.4.1 Les données d'apprentissage**

Construction et enrichissement du corpus

#### **1.4.4.2 Modèle utilisé**

## **1.5 Module de gestion du dialogue**

### **1.5.1 Architecture du module**

### **1.5.2 Les ontologies du système**

Here talk about the graph encoder

Explorateur de fichiers

### 1.5.3 Les simulateurs d'utilisateurs

Explorateur de fichiers

### 1.5.4 Modèles d'apprentissage

L'agent coordinateur

Les sous agents

## 1.6 Module de génération du langage naturel

## 1.7 Conclusion

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