

Exercises: 16.12.2019

Task 1

Specify a dialogue modelling approach which you think the best suited for the following tasks:

- Getting train timetable information
- Kitchen design consultant
- Psychotherapy

Task 2

Given the dialogue in (1) between a customer (C) and a travel agent (A), write a finite-state automation for a dialogue manager

- (1) 1. C: I need to travel in May.
2. A: And, what day in May did you want to travel?
3. C: OK, uh, I need to be there for a meeting that's from the 12th to the 15th.
4. A: And you're flying into what city?
5. C: Seattle.
6. A: And what time would you like to leave Pittsburgh?
7. C: I need to arrive at Seattle around noon on the 12th
8. A: OK. Departing at 5am arrives Seattle at 8am, US Air flight 115.
9. C: OK. Book this one for me

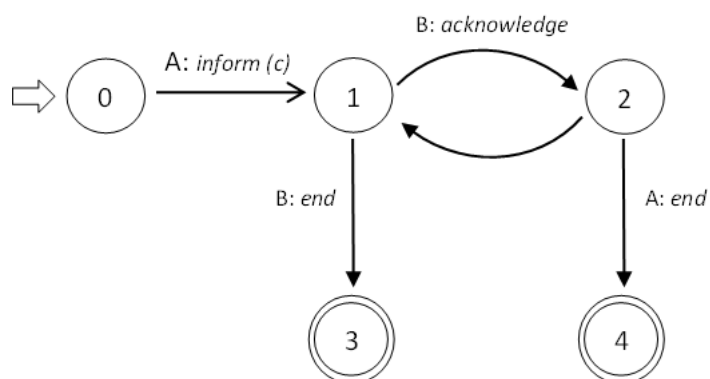


Abbildung 1: Diagram of a simple Finite State Automation.

Task 3

Given the FSA in (1) write three possible dialogues, consider tasks from Task 1

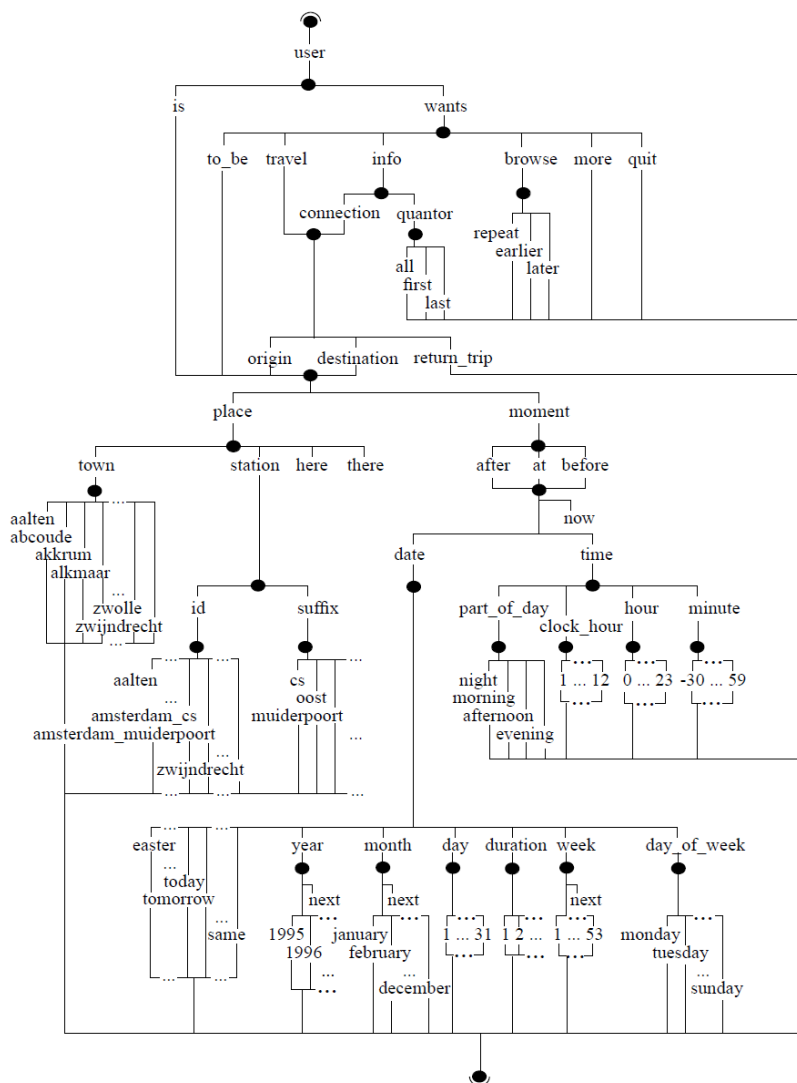


Abbildung 2: The frame structure for the OVIS system defined in Aust et al., 1994

Task 4

Given Figure in (2) write a possible dialogue exemplifying error handling strategies and grounding acts