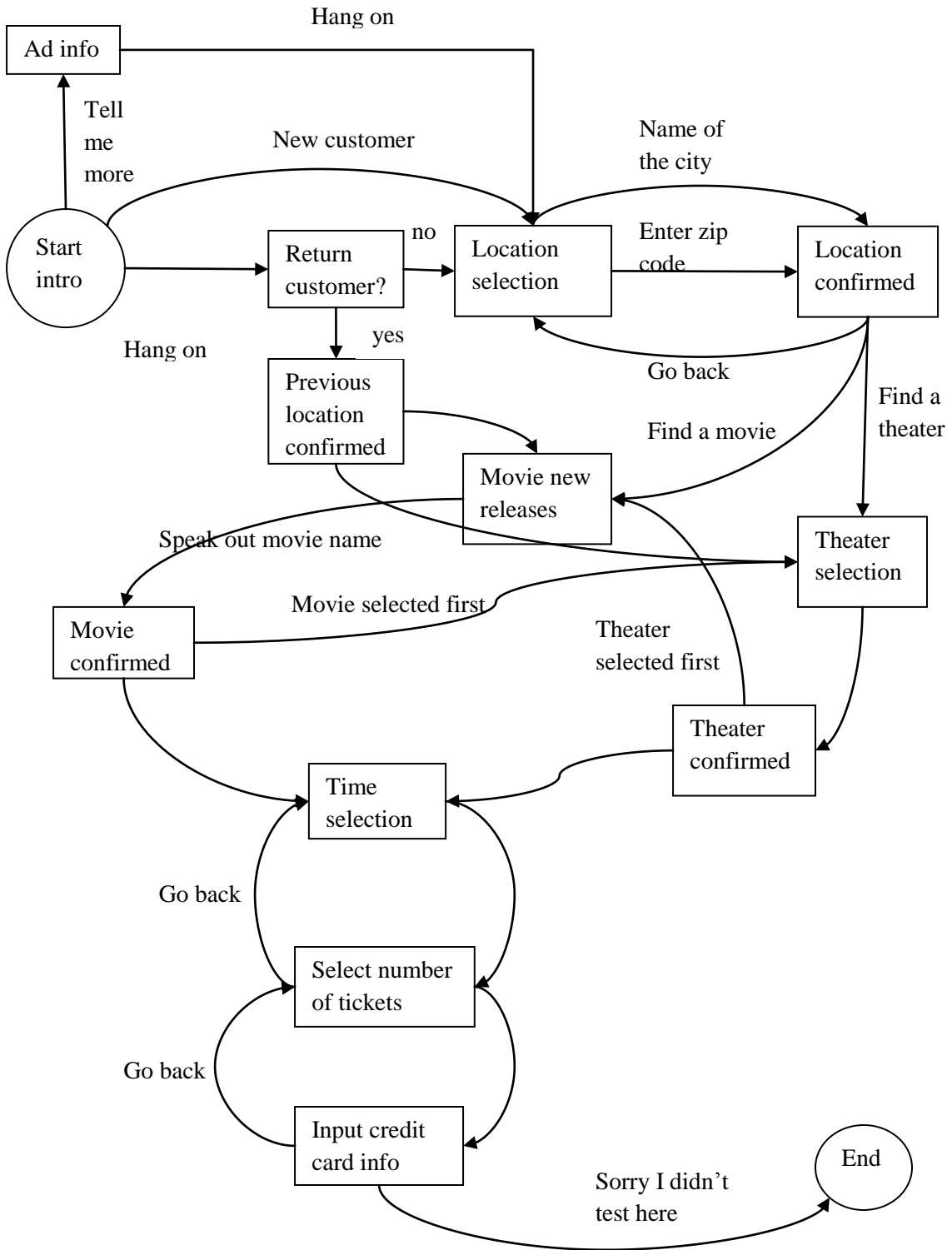


1. Hierarchical STN for Fandango voice system



2. TRINDI tick list items

Qn 1 Is utterance interpretation sensitive to dialogue context?

Not quite good, it is not quite sensitive to the location, but it can know the meaning of tomorrow when the user selects time.

Qn 2 Is utterance interpretation sensitive to deictic context?

No it cannot recognize this Wednesday.

Qn 3 Can the system deal with answers to questions that give more information than was requested?

- task relevant information
- domain relevant information
- irrelevant information

No, it cannot deal with location information: Boston in Massachusetts

Qn 4 Can the system deal with answers to questions that give different information than was actually requested?

- task relevant information
- domain relevant information
- irrelevant information

It always says, sorry I didn't get that.

Qn 4 Can the system deal with answers to questions that give less information than was actually requested?

Can Answers be Underinformative?

- task relevant information
- domain relevant information
- irrelevant information

Yes, it will repeat the question a couple of times or ask more information.

For example, when the user says 7 o'clock, it asks am or pm.

Qn 5 Can the system deal with ambiguous designators?

1. no, the system assumes there are no ambiguous designators
2. yes, by choosing one alternative without checking with user
3. yes, by suggesting alternatives successively
4. yes, by listing all alternatives

It lists all the theaters if the user stays silent or failed picks out one theater.

Q6: Can Help be asked For in Appropriate Ways?

No. it cannot recognize questions.

Qn 7 Can the system deal with negatively specified information?

1. no, it is interpreted as positively specified
2. system indicates lack of understanding

3. yes, system makes correct interpretation

No, it cannot tell the meaning of “not today”

Q8: Can the User Initiate Sub-dialogs?

No. due to recognition problem.

Qn 9 Can the System Reformulate an Utterance?

1. by choosing a consistent interpretation and ignoring alternatives

2. by pointing out inconsistency or asking clarification request

Not much, it can repeat the questions but it is not by recognizing user input like “pardon” or “repeat that please”.

Q10 Can the system deal with inconsistent information?

I didn’t find a way inputting inconsistent information.

Q11 – Can the system deal with belief revision?

No, it is impossible to modify user answer during the conversation due to its limited recognition ability.

Q12 – Can the system deal with no answer to a question at all?

Yes, it will usually repeat the questions and provide more input options like key in through numeric keyboard.

Q13 – Can the system repeat an utterance on request?

No, it cannot recognize pardon or repeat the questions please.

Q14 – Does the system make it explicitly clear that it is not a human?

No, but it is very easy to see it is a machine.

Q15 – Can the system keep track of multiple entities (e.g., routes) at the same time?

Yes, it can remember the previous input such as theater location and then show the movie availability on the basis of the theater.