

## Smartweb Requirements



## Text Generation

- Generates full utterances for the speech synthesiser and typography-enriched texts and tables presented on the mobile device.
- Generates a semantic paraphrase representing how the system has interpreted the user input in a human readable manner.
- Module called NipsGen is responsible for text generation.
- Input are RDF/S instances based on the SmartWeb ontology (SWintO).
- Interface layer integrates NipsGen into the information hub (IHUB) and translates between SWintO and NipsGen's own internal representation.

| Multimodal     |         |
|----------------|---------|
| Dialog Manager |         |
|                | NIPSGEN |
|                |         |
|                | FADE    |
|                | REAPR   |
|                | REAPR   |

Outlook: (1) Tool that generates automatically the types needed for the TAG derivation tree. (2) Multiple alternative texts which are tested against layout and presentation constraints.

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