* Each DigiBP assignment is connected to a **story**
* A story consists of an ordered list of **constraints** C1, C2, …, Cn
* Some of these constraints can be marked as “**mandatory**”, e.g. C3\*
* If a student is passive, the DSSA walks him/her though the **default questions** associated with C1, C2, …, Cn (in that order)
* If a discussion revolves around a constraint Ci, a student can mention concepts that match the relevance condition of a constraint Cj where j > i+1, i.e. the student can skip steps. In that case, the DSSA continues the discussion with Cj. If there is a mandatory constraint Ck\* with i<k<j (i.e. one that was skipped), the DSSA gets back to that constraint as soon as no other constraints are matched by the conversation.
* If a student utterance satisfies relevance conditions of more than one constraint, the DSSA continues the discussion with the constraint Ci that has the smallest position i in the story; the other constraints will be put into a “queue” and will be addressed later, in the order given by the story
* if a student’s answer matches the satisfaction condition of a constraint (instead of the relevance part), the DSSA can ask e.g. “why did you choose…?” or some other question, hoping to get the relevance part of the constraint as an answer. For this, a “reverse” question can be defined per constraint.
* For mandatory constraints, the DSSA will continue to ask prompts as long as the satisfaction condition of the constraint is not satisfied
* The DSSA keeps a **memory** of satisfied conditions Cs. Anything that has been satisfied enables matching of further relevance conditions. When the Cs part of a constraint has been satisfied after the default questions was asked, we assume also the Cr part of that question to be satisfied (even if the student has not explicitly used any of the keywords).
* The memory collects also constraints that have not been satisfied after using all prompts. They will be used for a **feedback** at the end.
* In order to make sure that the conversation reaches a next constraint, it shall be possible to define a “**follow-up**” question per constraint. If such a question is used, it immediately satisfies the relevance condition of a subsequent constraint.
* There needs to be a “don’t know” intent that will lead to displaying immediately the last prompt and a “want-to-end-the-conversation” intent that will lead to saying “goodbye”.