For the Business Intelligence Project, in part 1, the students need to select a company and do three tasks.

Task 1: Company description

Deliverable 1: 2-3 slides presenting the background information about the company as short bullet points.

Task 2: Make a balanced Scorecard

* refer to the mission, vision and the strategy of the company
* derive a **Balanced Scorecard** (that the company can use for monitoring how well it is doing in terms of implementing the strategy and hence reaching the state described by the vision)
* and that comprises the following:
  + Strategic goals and their dependencies
  + KPIs

Deliverable 2: visual representation of the Balanced Scorecard

Task 3: Summarize the KPIs

Deliverable 3: A one-page summary of KPIs and how they are calculated

Additional: the **deadline** for part 1 is the 30th October 2019

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| Student utterance | Dessa (DSSA) utterance | Constraint (triggers are bold) | Additional required knowledge (domain model) | Comment |
| *Version of the dialog where the student is initiating the dialog hence sending questions and Dessa gives responses* | | | | |
| Hey Dessa, do you have time to answer some of my questions on the assignment? |  |  |  |  |
|  | Sure. What do you wish to know? |  |  |  |
| Dessa, what is task 1 of part 1 of the BIP? |  |  | * The name of the task (“Integrate services into your workflow”). | Maybe we should make it even more explicit that we intend to talk about task XYZ? |
|  | Task 1 is “company description” | Cr = **task 1**= service integration  Cs = know which types of service were integrated | * “integromat” is-a tool |  |
| And what are the deliverables for task 1? |  |  |  |  |
|  | The deliverable for task 1 is “2 – 3 slides presenting the company background, the company mission, the company vision and the company strategy” |  |  |  |
| Dessa, what is task 2 of part 1 of the BIP? |  |  |  |  |
|  | Task 2 is “make a balanced scorecard” |  |  |  |
| And what are the deliverables for task 2? |  |  |  |  |
|  | The deliverable for task 2 is “visual representation of the Balanced Scorecard” |  |  |  |
| Dessa, what is task 3 of part 1 of the BIP? |  |  |  |  |
|  | Task 3 is “Summarize the KPIs” |  |  |  |
| And what are the deliverables for task 3? |  |  |  |  |
|  | The deliverable for task 3 is “A one-page summary of KPIs and how they are calculated” |  |  |  |
| And when is the deadline for part 1 of the BIP? |  |  |  |  |
|  | The deadline for part 1 is the 30th October 2019 |  |  |  |
| Thank you Dessa! |  |  |  |  |
|  | You’re welcome! Feel free to ask me, anytime you have a question. |  |  |  |

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| *Student utterance* | Dessa (DSSA) utterance | Constraint (triggers are bold) | Additional required knowledge (domain model) | Comment |
| *Version of the dialog where Dessa is initiating the dialog hence sending questions and the student gives responses* | | | | |
|  | Hello Student, do you have time to assess your understanding of the tasks for part 1 of the BIP? |  |  |  |
| Sure. What do you wish to ask? |  |  |  |  |
|  | What is task 1 of part 1 of the BIP? | Cr = |  |  |
| Task 1 is “company description” |  |  |  |  |
|  | And what are the deliverables for task 1? | Cr = task = understand task 1  Cs =need to name the deliverable of task 1 | Task is of type “know task deliverables” |  |
| The deliverable for task 1 is “2 – 3 slides presenting the company background, the company mission, the company vision and the company strategy” |  |  |  |  |
|  | What is task 2 of part 1 of the BIP? |  |  |  |
| Task 2 is “make a balanced scorecard” |  |  |  |  |
|  | And what are the deliverables for task 2? |  |  |  |
| The deliverable for task 2 is “visual representation of the Balanced Scorecard” |  |  |  |  |
|  | What is task 3 of part 1 of the BIP? |  |  |  |
| The deliverable for task 3 is “A one-page summary of KPIs and how they are calculated” |  |  |  |  |
|  | And when is the deadline for part 1 of the BIP? |  |  |  |
| The deadline for part 1 is the 30th October 2019 |  |  |  |  |
|  | Bravo! I believe you have understood everything there is to know about the tasks for part 1 of the BIP. Now go to work student! |  |  |  |

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|  | How did you manage to integrate Integromat into your BPMN workflow? | Cr = use of Integromat and camunda  Cs = integrate Integromat into BPMN workflow via an *http-connector* (OR via xyz…) |  |  |
| I used camunda modeller. I configured a service task with an http-connector and written the WebHook from integromat. |  |  |  | Seeing “http-connector” satisfies Cs  Decide to ask for service task first, then for http-connector |
|  | Cool! Why did you use a service task again? | Cr = No *human* or *script* involved in a task  Cs = use a **service task** |  | Why question for reflection: starts with Cs and asks for Cr |
| Because the bpmn process is using a service to perform a task. A human or a script is not involved. |  |  |  | Seeing “human” and “script” together with a negation confirms that Cr was understood. |
|  | Which HTTP elements did you use? | Cr = **http-connector** is used  Cs = need to specify the following HTTP elements: *method, header, payload and url* |  |  |
| I filled method, header, payload and url as input parameter in the http connector |  |  |  | Cs is satisfied  Decide to ask for first the method and then the payload |
|  | Which HTTP method did you use and why? | Cr = HTTP **method** is specified  Cs = use either *POST, GET, PUT or DELETE*  Cr = task contains the concept “*save*”  Cs = use *POST* or *PUT* method, but *not* GET or DELETE | * The concept “save” can also be expressed with the keyword “store” | Waiting for “POST” to confirm Cs of second constraint; then waiting for its Cr |
| I opened the camunda exercise and I used the get method. I was receiving the menu in the service task, I did not save the menu in the google sheet. |  |  |  | Cs of first constraint satisfied  Cs of second constraint not confirmed -> ask again |
|  | It seems you were using GET, are you sure about this? | Cr = task contains the concept “save”  Cs = use POST or PUT method, but *not* **GET** or DELETE |  |  |
| yes, I used get to retrieve the list of pizzas in the menu. The menu is saved in a google sheet |  |  |  | Seems to match Cr (“saved”), but not Cs (“POST”)  -> switch to next topic; save unconfirmed constraint for final feedback |
|  | Hmmm. How did you construct the payload? | Cr = **payload** is defined  Cs = use *JSON* format |  |  |
| I modified the one from the lectures |  |  |  | No trigger keyword was recognized -> ask for “format” |
|  | In which format did you write the payload? | Cr = **payload** is defined  Cs = use *JSON* format |  |  |
| I used JSON |  |  |  | Cs confirmed |
|  | Wow, cool stuff!!!  Maybe you consider the POST method again for creating data?  But, it seems you are prepared for the next session. Bye. |  |  | Final feedback:   * make a summary of unconfirmed constraints * end with a positive feedback |

**Simon:**

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| Student utterance | Dessa (DSSA) utterance | Constraint (triggers are bold) | Additional required knowledge (domain model) | Comment |
| *Version of the dialog where the student is initiating the dialog hence sending questions and Dessa gives responses* | | | | |
| Hey Dessa, do you have time to answer some of my questions on the assignment? |  |  |  |  |
|  | Sure. What do you wish to know? |  |  |  |
| Is there the possibility to extend the deadline of the part 1? |  |  |  |  |
|  | The extend of the given deadline is only possible due to certain reasons. What is your reason? | Cr = Deadline is defined by the 30.10.2019 |  | Possible reasons to extend the deadline:   * Sickness / Injuries with medical certificate |
| Unfortunately, I had an accident and, I am in hospital till the end of October. |  |  |  |  |
|  | In your case an extension of the deadline is possible, but you need to get in contact with the lecturer by mail as well as providing a medical prescription | Cr = Accident is linked to injury | * Regulations of the FHNW to extend a deadline. |  |
| Okay, when do I need to get in touch with the lecturer? |  |  |  |  |
|  | I would recommend you doing it as soon as possible. |  |  |  |
| Thank you Dessa |  |  |  |  |
|  | No worries I am here for further questions. |  |  |  |

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| *Version of the dialog where the student is initiating the dialog hence sending questions and Dessa gives responses* | | | | |
| Hey Dessa, do you have time to answer some of my questions on the assignment? |  |  |  |  |
|  | Sure. What do you wish to know? |  |  |  |
| I have a question regarding the part 2 of the assignment. What is the minimum amount of KPI’s required? |  |  |  |  |
|  | According to the description provided by the lecturer there is no minimum amount of KPI’s required. Nevertheless, you should have at least enough in order to derive a multidimensional model with 4 dimensions. | Cr = Part 2 is linked towards the description of the task. |  |  |
| Okay, thank you. |  |  |  |  |
|  | You’re welcome |  |  |  |

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| *Version of the dialog where the student is initiating the dialog hence sending questions and Dessa gives responses* | | | | |
| Hey Dessa, do you have time to answer some of my questions on the assignment? |  |  |  |  |
|  | Sure. What do you wish to know? |  |  |  |
| I have a question regarding the part 2 of the assignment. With which tool should I create the required live demo? |  |  |  |  |
|  | In order to create a live demo to present your results for the second part of the assignment, I advise you to use the recommended software from the Moodle chapter called “Introduction”. They are the following   * Tableau * Weka GATE | Cr = Live Demo is linked with the software to be used, mentioned on Moodle |  |  |
| Okay, thank you. |  |  |  |  |
|  | You’re welcome |  |  |  |