



Camunda Consulting vs AI

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**CAMUNDA
COMMUNITY
SUMMIT 2023**

Can a generative AI build a better solution than a Pro?

Will AI replace developers in the future?

How Advanced is Advanced AI?

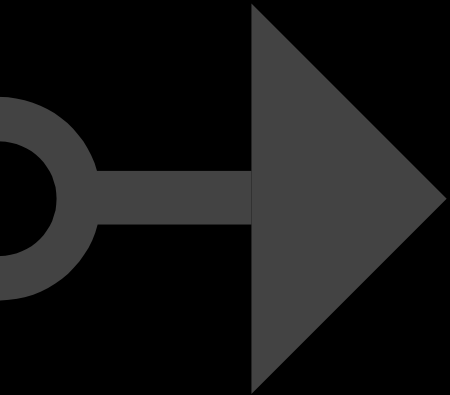
What are the shortcomings?

Does it have strengths?



Camunda vs AI

- The Contestants
- The Process to Model
- Design
- Compare and contrast
- Winner?
- Final Thoughts



The Contestants



Jonathan

Pros:

- Experienced in process modeling
- Great team worker - willing to do nonsense work for me
- Fantastic hair

Cons:

- Limited availability for a “silly project”



Generative AI

Pros:

- Always available (no need for a booking)
- Follows instructions - to the letter
- All the Knowledge of humankind

Cons:

- Will one day other throw humanity

The Process to Model...



Simple but Complex

Easy to understand but has some complexity



Audience

Does not require much explanation to a primarily european audience



Requires Knowledge

Both the AI and the Consultant have a good idea of the principles

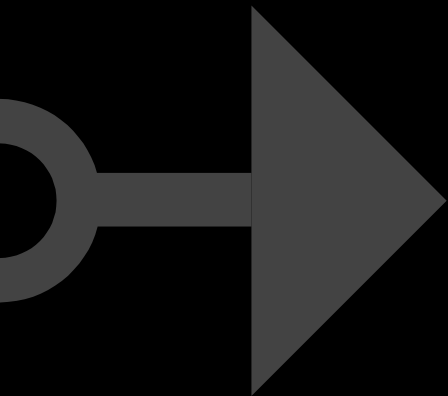


Fun



Nothing too serious because that would be a bummer



The Offside Rule!



Judging

Contestants		Design	Edge Cases	Consultant Factor
	Jonathan			
	ChatGPT			

Preparation



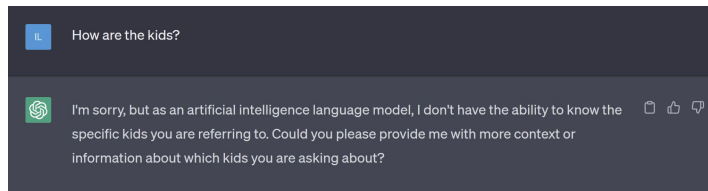
Jonathan Prep

Quick call, explained the project, discussion regarding input - chatted about the kids..



ChatGPT

All interaction via web frontend - all text, no kids



Generating a Solution with ChatGPT

W

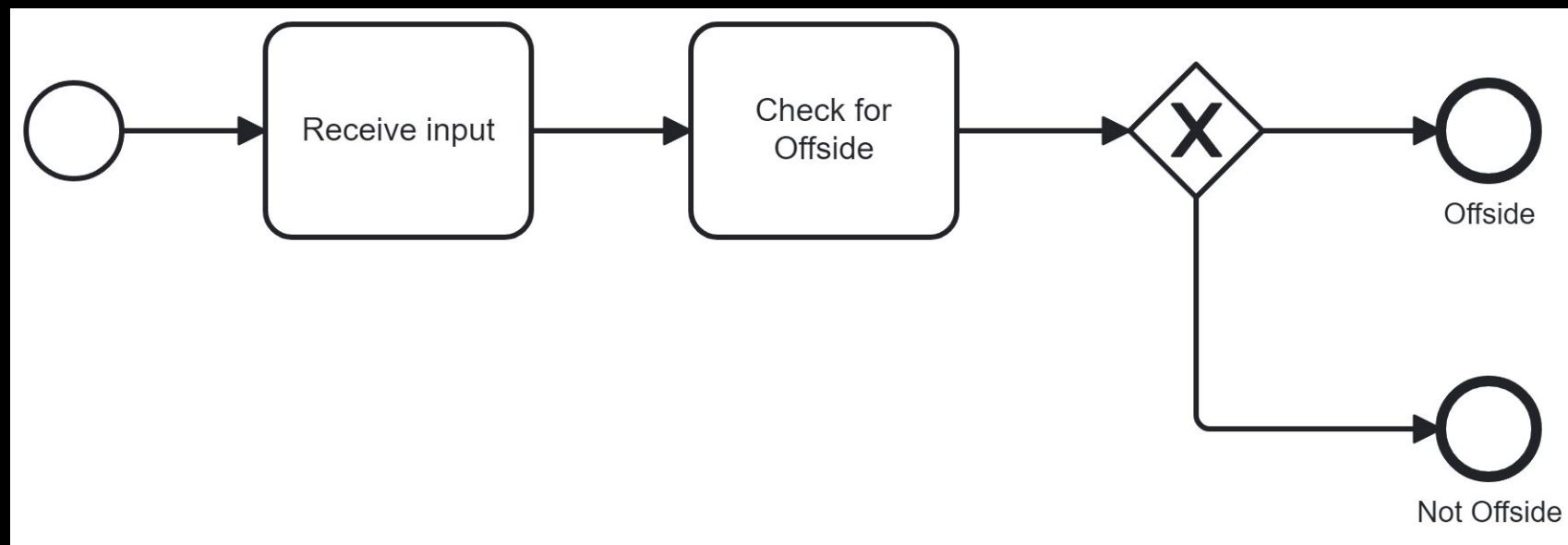
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    exporterVersion="4.11.1">
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```

copy code



ChatGPT - Iteration 1

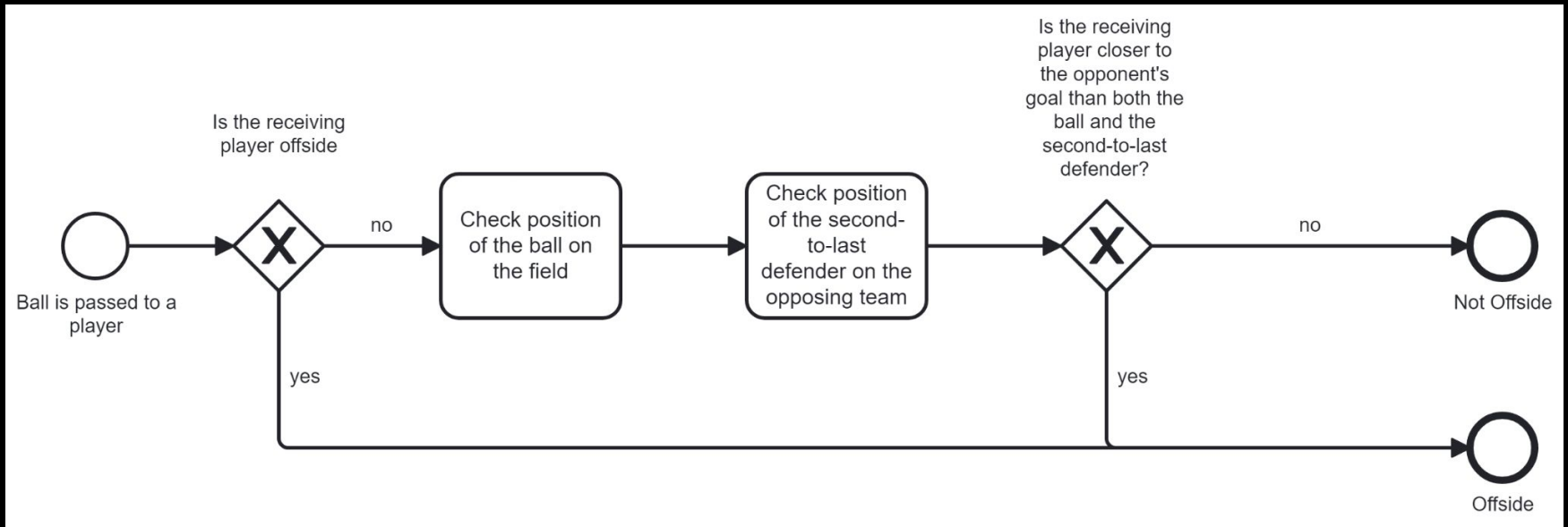
“Design a BPMN diagram to determine if a player is offside in football.”





ChatGPT - Iteration 2

“can you write BPMN logic for the offside rule and assume the input to the diagram is a json file with all positions of the players and the ball at the time the ball is played”





ChatGPT - Iteration 3

“Using a json file as input that includes the pitch dimension, each player position, each team, each player involved in the play and an attribute indicating which player passed the ball. Can you build a BPMN Model in XML to demonstrate the process of determining if a player is offside in football.”



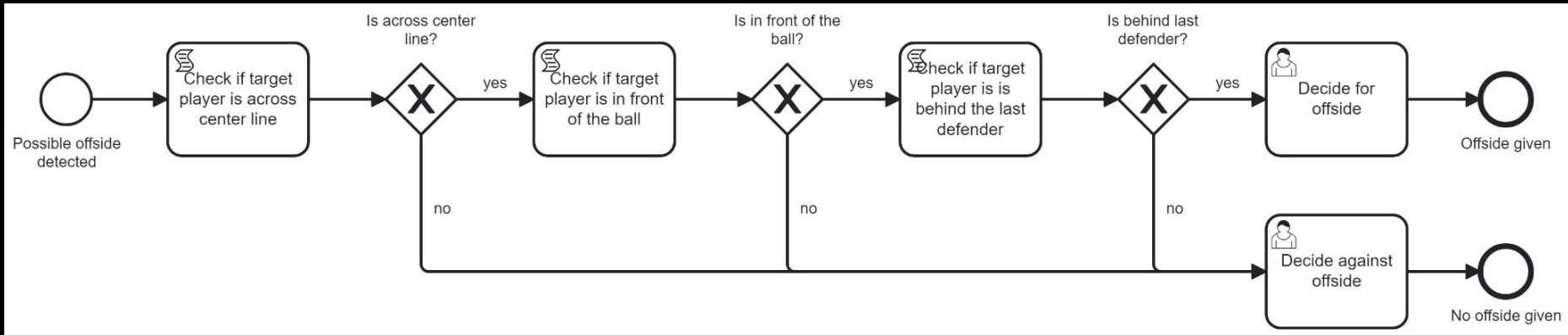
ChatGPT - Iteration 3







Jonathan - Iteration first and last

“Hey Jonathan, can you put together a BPMN diagram that represents the offside rule in football?”



Results

Contestants		Design	Edge Cases	Consultant Factor
	Jonathan	<ul style="list-style-type: none">One iterationless than 2 hours		
	ChatGPT	<ul style="list-style-type: none">Multiple iterations, lots of questionable decisionsLots of hours		

Offside Edge cases...



No offside offence from: goal kick, a throw-in, a corner kick

Both AI and Expert passed - implying that any calculation would be done via a pass.



The hands and arms of all players, including the goalkeepers, are not considered.

Since we're working from data that provides a x/y location of the player on the field, this might mean that both Expert and GPT are incorrect.. The input should ask from positions of both feet of all players..



Any part of the head, body or feet is in the opponents' half



Both Expert and GPT managed to catch the "only in the opponent half" aspect of the offside rule.



Not offside if level with the second-last opponent or last two opponents

Since both solutions find the last defender - if two defenders are equal, they're both last..

Results



Contestants		Design	Edge Cases	Consultant Factor
	Jonathan	<ul style="list-style-type: none">One iterationless than 1 hour	Managed to address most edge cases without much discussion	
	ChatGPT	<ul style="list-style-type: none">Multiple iterations, lots of questionable decisionsLots of hours	Required multiple interactions and still does not address all edge cases	

This process follows the same logic as the previous process, but with ducks instead of human football players. The steps are as follows:

1. The process starts when a duck passes the ball to another duck.
2. If the receiving duck is behind the last defender duck at the time the ball was passed, the process continues to step 3. Otherwise, the process ends in the "No Offside" end event.
3. If there are no other ducks between the receiving duck and the goal line, the process continues to step 4. Otherwise, the process ends in the "No Offside" end event.
4. If the receiving duck is deemed to be in an offside position, the process ends in the "Offside" end event. Otherwise, the process ends in the "No Offside" end event.

Note that in this scenario, the ducks are assumed to be playing by the same offside rule as human football players, with the last defender serving as the point of reference for determining offside position.

Results

Contestants		Design	Edge Cases	Consultant Factor
	Jonathan	<ul style="list-style-type: none">One iterationless than 2 hours	Managed to address most edge cases without much discussion	Solid consultant
	ChatGPT	<ul style="list-style-type: none">Multiple iterations, lots of questionable decisionsLots of hours	Required multiple interactions and still does not address all edge cases	Will do anything you ask, even if it's ridiculous

Final thoughts and “winner”?



Whats useful

ChatGPT is a tool, it should be used as such. It can make a good starting point.



Whats useless

If you dont know what you are doing it can lead you astray.. Be careful



How do choose a winner

ChatGPT has no feelings and it wont be in the office on Monday...

Congratulations Jonathan



Thank You



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<https://camunda.com/>