ENGN 2125
Deciding About Agile at Mighty Jaxx
Jianyu Xiao
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Writing Prompt 1

The **production** function of Mighty Jaxx could benefit the most from implementing scrum/sprint methodologies. Scrum/sprint can help make production run smoothly and efficiently. The following are specific ways in which scrum/sprint could operate for this function:

- **Scrum team:** The production team, including designers, engineers, and production staff.
- **Sprint goal:** Create a batch of products based on a specific set of 3D renderings and drawings.
- **Sprint planning:** The production team would hold a meeting at the start of each sprint to plan the work that needs to be done. This would include reviewing 3D renderings and drawings, break down the work into tasks, and estimate the time required to complete each task.
- **Daily stand-ups:** The team would meet briefly each day to discuss progress, identify roadblocks, and adjust the plan as needed.
- **Sprint review:** At the end of each sprint, the team would review the products produced, compare them to the original 3D renderings and drawings, and identify areas for improvement.
- **Sprint retrospective:** The team would meet to discuss what went well, what didn't go well, and how to improve the process in the next sprint.

A few reasons why kanban may not be the best fit for the production function:

- Kanban is more useful in repetitive or continuous processes, whereas production at Mighty Jaxx involve discrete batches of work.
- Scrum/sprint is more effective for complex projects that require coordination across multiple teams, which is the case with production process at Mighty Jaxx.

Writing Prompt 2

The **distribution** function could benefit the most from implementing Kanban methodologies. Kanban can help to ensure that products are distributed to the right places at the right time. The following are specific ways in which kanban could operate for this function:

- **To Do:** include all the orders that need to be fulfilled.
- **In Progress:** include orders that are being processed or are waiting for shipping.
- **QA/QC:** include orders that are undergoing quality control or quality assurance checks.
- **Ready to Ship:** include orders that have passed QA/QC and are ready to be shipped.
- **Shipped:** include orders that have been shipped to customers.

Unlike production, there is no defined end-goal or project timeline in distribution. Instead, the focus is on maintaining a steady flow of orders and ensuring timely delivery to customers. Therefore, a more continuous and iterative approach like kanban would be more suitable.

Writing Prompt 3

Dear Jackson,

As you consider the move to agile in your organization, I want to caution you about the potential impact of cognitive biases on your decision-making. One particular bias is the confirmation bias.

Confirmation bias is the tendency to search for, interpret, and remember information in a way that confirms one's prior beliefs or hypotheses. This type of bias could lead you to focus only on information that supports your preexisting beliefs about agile methodologies, while ignoring potential drawbacks or limitations. This could result in an incomplete or biased evaluation of the feasibility and effectiveness of implementing agile in your organization.

To avoid falling into the trap of confirmation bias, I suggest that you take the following actions:

- Be open-minded and seek out information that challenges your preexisting beliefs about agile methodologies. You can consult experts in the field, conduct research, or seek feedback from your team.
- Consider appointing a diverse group of stakeholders to challenge your assumptions and provide alternative perspectives.
- Ensure that you are collecting and analyzing data in an objective and unbiased way. In addition, make sure that you are not selectively interpreting the data to confirm your preexisting beliefs.

I hope you find this advice helpful

Best regards,
Jianyu