Collaborating Between Agile Teams

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ABSTRACT

A clear and well-documented LATEX document is presented as an article formatted for publication by ACM in a conference proceedings or journal publication. Based on the "acmart" document class, this article presents and explains many of the common variations, as well as many of the formatting elements an author may use in the preparation of the documentation of their work.

KEYWORDS

datasets, neural networks, gaze detection, text tagging

ACM Reference Format:

1 INTRODUCTION

The rise in the competition of in every industry means there is an increase in the uncertainty and volatility in every field which has resulted in an increase in the complexity of the software's. The increase in the complexity means the requirements of software is getting harder and harder to describe at the beginning of the project leading to a lot of ambiguity and incompleteness. That is why it so necessary to design for change rather execute the plan which also happens to be one of the manifesto of the agile methodology. Any new development these days are being managed by forming a small team with a team of developers having expertise in the required subject area. As more and more companies prefer agile methodology for project development it has led to situations when different agile teams have to work with each other to obtain a final end product. While this may sound easy for different teams to work together technically as they are implementing the same methodology there are so many hindrances that impedes the development process.

In [1] Alia Crocker, Rob Cross and Heidi K. Gardner discuss the issues faced by the organization Connected Commons which came upon a new innovative ground-breaking audio-visual technology which had the potential to open up an entirely new markets for the organization. Their CEO considered it to be "pivot point" in organizations growth and created a cross functional group of teams to develop the application. But different teams assigned to this task struggled to develop the product as often they had problem

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in understanding the expertise or values of different function of other teams. At the same time fighting tooth and nail advocating for their own solution as aggressively as possible. Each of the teams were surprised by the requirement of the external stakeholders thus showing how much the collaboration between the agile teams could be an hinderance to the progress in the development and not matching the expectations of the progress. This issue is not specific or unique to this organization alone it is quite the same situation whenever there is a necessity for different agile teams to work together. This doesn't mean that there is no way for the agile teams to collaborate there definitely ways for teams to collaborate better if they could follow certain guidlines of effective collaboration.

2 EFFECTIVE COLLABORATION

According to [2] there are three important guidelines that needs to be followed for the effective collaboration of the agile teams. They are.

- Clear objectives and separation of work
- No departmental silos
- · Collaborative architecture and design guidelines

2.1 Clear objectives and separation of work

It is necessary to specify the Objectives of the team and Separation of work clearly so that eaach team is clear about the expectations on them. When there is a clarity in the objectives of each team there is independence between the team which reduces the possibility of reduntant work. No two team will do the same work due to clear separation of work this can be achieved by creating and maintaining separate product backlog for each of the team rather than one common one and it is very important to have the big picture in the mind.

2.2 No departmental silos

For effective collaboration form agile teams whose members are cross functional so that the members will be able to go beyond the boundaries of departments. Thus helps in creating a culture that eliminates departmental silos that could barricades the over all understanding and thus hindering the progress in achieving the final product.

2.3 Collaborative architecture and design guidelines

The final and perhaps the most important guidelines for most effective collaboration is the collaborative architecture and design guidelines. The organization should provide an environment that is more supportive of collaboration as agile teams are self organizing teams and the best design are obtained such an self organized team. Providing the supportive environment will help the agile teams to collaborate better, self organize and come up with an architecture

that all the stake holders can agree upon thus hellping with the smooth progress with the development.

- first point
- second point
- third point

Numbered list:

- (43) first point
- (44) second point
- (45) third point

Your own style:

- * first point second point
- = third point

3 TABLES

Then you want a table . To set a wider table, which takes up the whole width of the page's live area, use the environment **table*** to enclose the table's contents and the table caption. As with a single-column table, this wide table will "float" to a location deemed more desirable. Immediately following this sentence is the point at which Table 1 is included in the input file; again, it is instructive to compare the placement of the table here with the table in the printed output of this document.

4 MATH EQUATIONS

You may want to display math equations in three distinct styles: inline, numbered or non-numbered display. Each of the three are discussed in the next sections.

4.1 Inline (In-text) Equations

A formula that appears in the running text is called an inline or in-text formula. It is produced by the **math** environment, which can be invoked with the usual \begin . . . \end construction or with the short form \$. . . \$. You can use any of the symbols and structures, from α to ω , available in LATEX [20]; this section will simply show a few examples of in-text equations in context. Notice how this equation:

 $\lim_{n\to\infty} x = 0$, set here in in-line math style, looks slightly different when set in display style. (See next section).

4.2 Display Equations

A numbered display equation—one set off by vertical space from the text and centered horizontally—is produced by the **equation** environment. An unnumbered display equation is produced by the **displaymath** environment.

Again, in either environment, you can use any of the symbols and structures available in LATEX; this section will just give a couple of examples of display equations in context. First, consider the equation, shown as an inline equation above:

$$\lim_{n \to \infty} x = 0 \tag{1}$$

Notice how it is formatted somewhat differently in the **displaymath**

environment. Now, we'll enter two unnumbered equations

$$\sum_{i=0}^{\infty} x + 1$$

$$\sum_{i=0}^{\infty} x + 1$$

and follow it with another numbered equation:

$$\sum_{i=0}^{\infty} x_i = \int_0^{\pi+2} f$$
 (2)

just to demonstrate LATEX's able handling of numbering.

5 CITATIONS AND BIBLIOGRAPHIES

The use of BibTeX for the preparation and formatting of one's references is strongly recommended. Authors' names should be complete — use full first names ("Donald E. Knuth") not initials ("D. E. Knuth") — and the salient identifying features of a reference should be included: title, year, volume, number, pages, article DOI, etc.

The bibliography is included in your source document with these two commands, placed just before the \end{document} command:

\bibliographystyle{ACM-Reference-Format}
\bibliography{bibfile}

where "bibfile" is the name, without the ".bib" suffix, of the $\mbox{BibT}_{\mbox{\sc F}_{\mbox{\sc X}}}$ file.

Citations and references are numbered by default. A small number of ACM publications have citations and references formatted in the "author year" style; for these exceptions, please include this command in the **preamble** (before "\begin{document}") of your LATEX source:

\citestyle{acmauthoryear}

Some examples. A paginated journal article [2], an enumerated journal article [7], a reference to an entire issue [6], a monograph (whole book) [19], a monograph/whole book in a series (see 2a in spec. document) [13], a divisible-book such as an anthology or compilation [9] followed by the same example, however we only output the series if the volume number is given [10] (so Editor00a's series should NOT be present since it has no vol. no.), a chapter in a divisible book [30], a chapter in a divisible book in a series [8], a multi-volume work as book [18], an article in a proceedings (of a conference, symposium, workshop for example) (paginated proceedings article) [3], a proceedings article with all possible elements [29], an example of an enumerated proceedings article [11], an informally published work [12], a doctoral dissertation [5], a master's thesis: [4], an online document / world wide web resource [1, 24, 31], a video game (Case 1) [23] and (Case 2) [22] and [21] and (Case 3) a patent [28], work accepted for publication [25], 'YYYYb'-test for prolific author [26] and [27]. Other cites might contain 'duplicate' DOI and URLs (some SIAM articles) [17]. Boris / Barbara Beeton: multi-volume works as books [15] and [14]. A couple of citations with DOIs: [16, 17]. Online citations: [31-33].

Table 1: Some Typical Commands

Command	A Number	Comments
\author \table	100 300	Author For tables
\table*	400	For wider tables

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