

# TidBIT

Estimating the time required to complete a project can be challenging, whether it is for developing a program or completing an assignment. Using Agile estimation techniques can be helpful in different types of work. This approach can reduce the stress associated with planning projects.

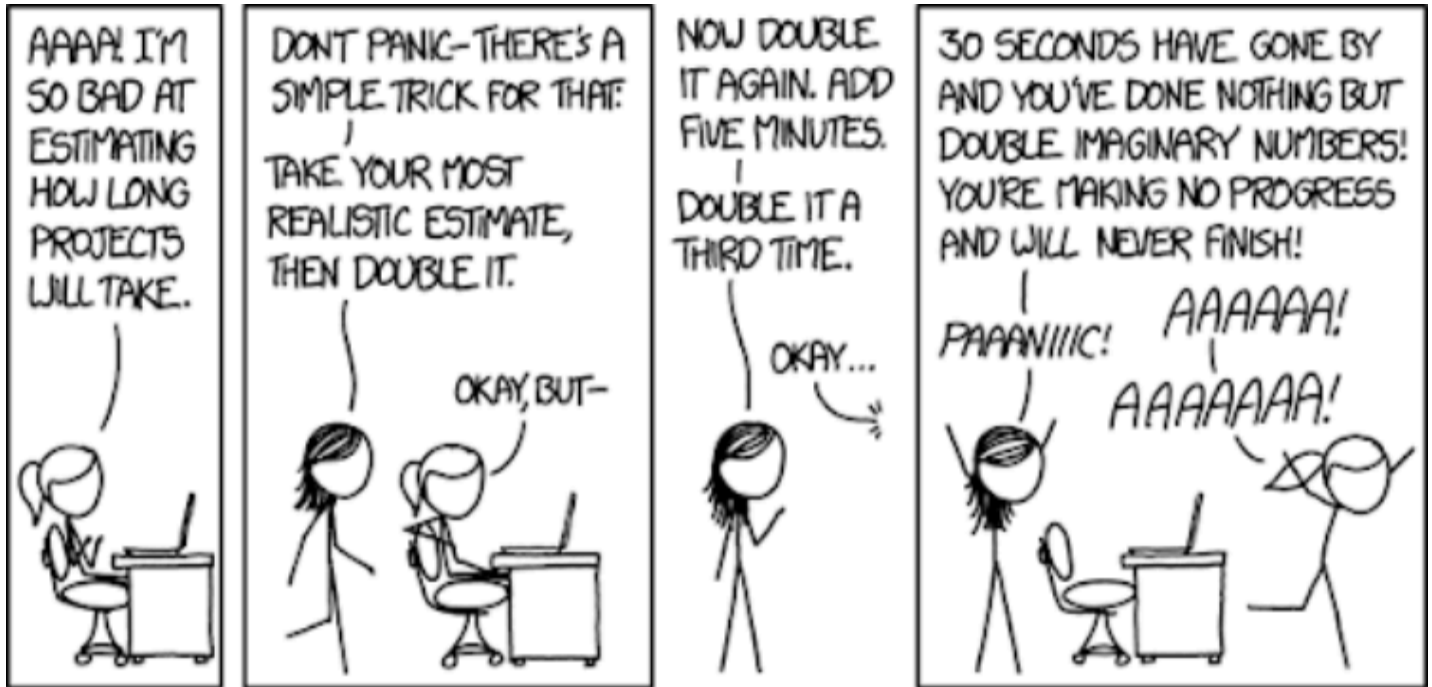


Image Reference

Munroe, R. *Estimating time*. XKCD webcomic. Retrieved from: <https://xkcd.com/1658/>.



## Required Resources

**Textbook:** *The Project Manager's Guide to Mastering Agile* 


[https://search.ebscohost.com/login.aspx?](https://search.ebscohost.com/login.aspx?direct=true&custid=shapiro&authtype=athens,ip&db=nlebk&AN=937009&site=ehost-live&scope=site)

[direct=true&custid=shapiro&authtype=athens,ip&db=nlebk&AN=937009&site=ehost-live&scope=site](https://search.ebscohost.com/login.aspx?direct=true&custid=shapiro&authtype=athens,ip&db=nlebk&AN=937009&site=ehost-live&scope=site)), Chapter 7

Chapter 7, "Agile Estimation," provides you with knowledge on how to estimate project scope using the Agile model. It outlines differences between a typical plan-driven or waterfall estimation process and the more desirable Agile estimation process. This chapter discusses Agile estimation practices such as story points and burn-down charts.

As you read, consider the following questions:

- How do waterfall and Agile estimation processes differ?
- How do Agile processes provide more flexibility?
- How are story points determined?
- What do the burn-down and burn-up charts show?

**Reading:** Agile Requirements Change Management 

(<http://agilemodeling.com/essays/changeManagement.htm>)

This short reading discusses *why* and how change is “embraced” by agile teams, especially those working with the Scrum framework. This reading will help you understand the context behind the scenario in the Module Five assignment. As you read, consider the following:

- How does change work in an Agile process? Why is this important?
- Who is responsible for prioritizing the project requirements?
- Who is responsible for estimating the project requirements?
- What are the benefits of being open to changing requirements? What are the challenges?

A text version 

([course\\_documents/CS%20250%20Module%20Five%20Resources%20Text%20Version.docx?ou=2019621](course_documents/CS%20250%20Module%20Five%20Resources%20Text%20Version.docx?ou=2019621)) of Figure 1 from this reading is available.

Note: This reading uses the term “iteration” in a few places. In this case, consider the term a synonym for the Scrum word “Sprint”.

**Reading:** Agile Estimation Techniques  (<https://www.pmi.org/learning/library/agile-project-estimation-techniques-6110>)

This article supports the module discussion.