**Discipline Awareness Project ICW Part 1 Discipline Specific Resources (Week 2)**

**Before library instruction on May 28, begin to make notes for 1 and 2. (Save it as a Word document labeled YourName\_DAP1.) During and after library instruction, you will continue to work on this assignment. The full assignment (including first draft of Annotated Bibliography) should be submitted by Email attachment by midnight.**

**1**.Visit <http://infoguides.gmu.edu/> <http://library.gmu.edu/tutorials>, the *Associations* *Unlimited* database, your department website, and Google for information to make sure you have a basic understanding of the following terms as they apply to research in your major. Then provide both general and specific examples—at least one for the entire discipline, profession, or industry and at least one for a particular branch of it. Seek out resources devoted to the specific area of your own research. Use the suggestions on the subject guide for your major and the list at the end of this document\* as a starting point, but also use the alphabetical list of library databases and the library journal search box to seek out potential sources for your own research.

<https://vle.credoreference.com/george-mason/ilcm-types-of-resources>

**professional association**

IEEE, Association for Computing and Machinery (ACM)

**discipline specific database**

IEEE explore, ACM

**academic journal (peer-reviewed)**

**[trade publication](http://library.gmu.edu/tutorials/popular-scholarly-trade)**

IEEE magazine,

[**gray literature**](http://teachme.gmu.edu/Tutorial/TypologyofSources/GreyLiterature.pdf) **(see bb links)**

conference papers, dissertations,

**(1 academic journal, 1 trade publication,**

**2.** Visit the website of a professional association you have identified. Examine their mission statement, publications, and topics of recent articles and conferences. What can you determine about the values and current concerns of this discourse community? What recent research has been done on your research topic or a related topic?

IEEE’s mission statement is to further technology for the benefit of humanity. These values, although somewhat vague, are a common and uniting thread among many who work in technology. DevOps is still in its infancy. DevOps can about around 5 years ago, with the advent of containerization. The recent research on DevOps is very advanced, but there are some great research papers from the last 5 years I can pull together.

**3.** Write out your research question and identify potential search terms.

Research topic: How is DevOps being used by programmers to enable collaboration?

Keywords: containerization, test-driven development, collaboration, DevOps.

**4.** Begin your annotated bibliography. Compile a list of sources you are considering for your literature review, using the documentation style standard for your discipline. (For most of you, this will be APA or MLA Style, both of which are arranged alphabetically and with hanging indentation.) Write a 3-5 sentence annotation describing and evaluating each source, with a final sentence that compares this source to at least one other on your list. Do not use first person (I/me/my).

**References**

Docker documentation [Computer program manual]. (2019, May). Retrieved from https://docs.docker.com/

Docker is the world leader in containerization software. Docker is the building block of DevOps. This resource is the authoritative reference on Docker, where as Docker In Action is written to be user-friendly.

*Introduction to ci/cd with gitlab.* (n.d.). GitLab. Retrieved from https://docs.gitlab.com/ee/ci/introduction/

GitLab is one of many DevOps-enabled software development products, but it is the best one, so I’ll discuss it in the paper. Like the docker resource above, this website is mostly technical documentation so pulling from it may be hard.

Kersten, M. (2018, March). A cambrian explosion of devops tools. *IEEE Software*, *35*(2), 14-17. doi:

10.1109/MS.2018.1661330

Dr. Kersten is the Founder and CEO of Tasktop, he’s been a PhD in Computer Science nearly 20 years ago now. This resource shows how new DevOps is, which shows why documentation is used.

Nickoloff, J. (2016). *Docker in action*. Shelter Island, NY: Manning Publications.

Mr. Nickoloff has been a Software Engineer working in web-development for 20 years. This book covers Docker, a containerization tool that lies at the root of the DevOps revolution. This book is a tutorial on Docker. I might pull some quotes on how powerful Docker is from the book. I intend to use this as a more user-friendly tutorial than the docker docs listed below.

Wahaballa, A., Wahballa, O., Abdellatief, M., Xiong, H., & Qin, Z. (2015, Sep.). Toward unified devops model. In *2015 6th ieee international conference on software engineering and service science (icsess)* (p. 211-214). doi: 10.1109/ICSESS.2015.7339039

Waseem, M., & Liang, P. (2017, Dec). Microservices architecture in devops. In *2017 24th asia-pacific software engineering conference workshops (apsecw)* (p. 13-14). doi: 10.1109/APSECW.2017.18

”P. Liang has 25 papers many related to DevOps and programmer collaboration. M.Waseem is relatively unpublished. Microservices is used in DevOps to limit the scope of a component of an IT archetecture. This enables collaboration and DevOps. ”

**5. Use your notes to write 1-2 paragraphs answering the following questions (These paragraphs are the very beginning of your rough draft of the DAP):**

What values or goals are shared by people in your discourse community? Who or what are some key figures or associations in this community? What are some current topics of discussion or debate? How does your research question fit into the conversation? What are some key databases, journals, trade publications, or sources of gray literature for your discipline? What journals or other sources seem most promising for your research? Explain how and why you chose the articles on your annotated bibliography. (What significant contribution does each make, or what different approaches do they take?)

People in the Information Technology community share the goal of improving technology. IEEE is a key figure in the technology community. Developers are starting to take DevOps concepts from a few years ago seriously as development tools. While developers implement DevOps, academics are starting to apply machine learning and artificial intelligence to DevOps. My paper won’t explore these technologies of tomorrow. Along with IEEE, ACM seems like a promising resource for more DevOps articles.

**Associations**

International Association of Professional Mechanical Engineers

American Nurses Association

Association for Information Technology Professionals

American Society of Criminology

American Astronomical Society

Association for Computing Machinery

The Biomedical Engineering Society

National Association for Sport and Physical Education

National Writing Project

National Criminal Justice Association

Association of Community Health Nursing Educators

American Marketing Association

**Databases**

*ERIC*

*IEEE Xplore*

*BIOSIS Citations Index*

*Medline with Full Text*

*ProQuest Biological Science Collection*

*Environment Complete*

*CINAHL*

*Astrophysics Data System*

*Communication Source*

*CIAO: Columbia International Affairs Online*

*Compendex*

*Factiva*

*Scopus*

*ProQuest Engineering Collection*

*SPORTDiscus*

*NCJRS Abstracts*

**Journals**

*American Journal of Mechanical Engineering*

*Physical Therapy Rehabilitation Science*

*Nature*

*Journal of Finance*

*Advances in Economic Analysis and Policy*

*Journal of Information Technology and Software Engineering*

*International Journal of Kinesiology and Sport Science*

*Structure and Infrastructure Engineering*

*Journal of Game Design and Development Education*

*The International Journal of Computer Games Technology*

*Journal of Genetics*

*Journal of Marketing*

**Gray Literature**

World Health Organization

Centers for Disease Control and Prevention

World Bank

National Bureau of Economic Research

Brookings Institute

John F. Kennedy School of Government

National Institute of Justice

U.S. Trade Commission

Human Rights Watch

Heritage Foundation

American Enterprise Institute

Center for American Progress

Guttmacher Institute

Center on Budget and Policy Priorities

**Trade Publications**

*WIRED*

*Bank Investment Consultant Magazine*

*Advertising Age*

*Education Week*