**From:** Katherine Urquhart <[katherine.urquhart@wgu.edu](mailto:katherine.urquhart@wgu.edu)>  
**Sent:** Thursday, February 1, 2024 11:30 AM  
**To:** Ralph Moore <[ralph.moore@wgu.edu](mailto:ralph.moore@wgu.edu)>  
**Subject:** FW: C949 Resources

*Hi Ralph – I got this second attempt study plan from a CI (I was copied on the email)…this is all I have for C949.*

*I don’t have any good scoop for the other courses that you will be taking yet – but if I get copied on a good email from a CI, I’ll send it to you…*

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In general, here is a second attempt study plan:

a.      Review ZyBooks.  Please complete 90% of all Participation Activities**.**In general, this is the requirement for 2nd attempt approval. The Challenge Activities will reinforce concepts and I encourage them, too.

1.      Review the [C949v3 Study Guide](https://srm.my.salesforce.com/servlet/fileField?retURL=https%3A%2F%2Fsrm--c.na127.visual.force.com%2Fapex%2FCourseArticle%3Fid%3DkA03x000000eIHJCA2%26groupId%3D%26searchTerm%3Dstudy%26courseCode%3DC949%26rtn%3D%252Fapex%252FCommonsExpandedSearch&entityId=ka03x0000015oa1AAA&_CONFIRMATIONTOKEN=VmpFPSxNakF5TXkwd05DMHlOMVF5TURvME1Ub3lNeTR5TURoYSxZbHA0QWtFZDFxRjBVRTBhbHkyTTZXLFpERmtZV05p&common.udd.actions.ActionsUtilORIG_URI=%2Fservlet%2FfileField&field=FileUpload__Body__s)

2.      **Review Competency: Explains Algorithms - 29% of assessment:**

a.      Abstract Data Types; review Suggested Study in the coaching report

b.      Data Dictionaries; review Suggested Study in the coaching report

c.      Data Structures: Abstract Data Type (ADT): [Data Structures: Abstract Data Type (ADT)](https://www.youtube.com/watch?v=HcxqzYsiJ3k) (5m)

d.

5.      Python: Data Structures - Lists, Tuples, Sets & Dictionaries tutorial: [Python: Data Structures - Lists, Tuples, Sets & Dictionaries tutorial](https://www.youtube.com/watch?v=R-HLU9Fl5ug) (19m)

6.

7.      Watch WGU Webinar 1 – [Explains Algorithms](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=48016168-e236-4137-81f6-aff0011decf2)

8.      Summarize what you learned on Data Types and send it to me in an email.  Did you run across anything that you recalled from the first exam?  Do you feel confident in your knowledge for this domain?

3.      **Review Competency: Data Structure Impact - 31% of assessment:**

a.      Implementation of Data Structures; review Suggested Study in the coaching report

b.      Design of Data Structures; review Suggested Study in the coaching report

c.      Linked Lists: [Data Structures: Linked Lists](https://www.youtube.com/watch?v=njTh_OwMljA) (8m)

d.

5.      Hash Tables: [Hashing Technique - Simplified](https://www.youtube.com/watch?v=mFY0J5W8Udk) (17m)

6.

7.      Watch WGU Webinar 2 – [Determines Data Structure Impact](https://wgu.hosted.panopto.com/Panopto/Pages/Viewer.aspx?id=0389a56f-329a-477d-88a0-aff101870415)

8.      Summarize what you learned on Data Structures and send it to me in an email. D id you run across anything that you recalled from the first exam?  Do you feel confident in your knowledge for this domain?

4.      **Review Competency: Applies Algorithms - 40% of assessment:**

a.      Introduction to Algorithms; review Suggested Study in the coaching report

b.      Sorting Algorithms; review Suggested Study in the coaching report

c.      Watch [Intro to Algorithms: Crash Course Computer Science](https://www.youtube.com/watch?v=rL8X2mlNHPM)  (12m)

d.

5.      Watch [Data Structures: Crash Course Computer Science #14](https://www.youtube.com/watch?v=DuDz6B4cqVc)  (11m)

6.

7.      Watch [Sorting Algorithms Summary](https://www.youtube.com/watch?v=tgVitpkdkUo) (7m)

8.

9.      Watch WGU Webinar 3 – [Applies Algorithms / Sorting](https://wgu.hosted.panopto.com/Panopto/Pages/Auth/Login.aspx?instance=WGU&Auth=SessionView&ReturnUrl=%2fPanopto%2fPages%2fViewer.aspx%3fid%3d59314d41-561a-44c7-b51d-aff600fded94)

10.   Summarize what you learned on Sorting Algorithms and send it to me in an email.  Did you run across anything that you recalled from the first exam?  Do you feel confident in your knowledge for this domain?

5.      Other helpful resources:

a.      See [C949 Study Guide](https://srm.my.salesforce.com/servlet/fileField?retURL=https%3A%2F%2Fsrm--c.na127.visual.force.com%2Fapex%2FCourseArticle%3Fid%3DkA03x000000eIHJCA2%26groupId%3D%26searchTerm%3Dstudy%26courseCode%3DC949%26rtn%3D%252Fapex%252FCommonsExpandedSearch&entityId=ka03x0000015oa1AAA&_CONFIRMATIONTOKEN=VmpFPSxNakF5TXkwd05DMHlOMVF5TURvME1Ub3lNeTR5TURoYSxZbHA0QWtFZDFxRjBVRTBhbHkyTTZXLFpERmtZV05p&common.udd.actions.ActionsUtilORIG_URI=%2Fservlet%2FfileField&field=FileUpload__Body__s)

b.      See [Big-O cheat sheet](https://www.bigocheatsheet.com/)  and watch [Big-O Notation](https://www.youtube.com/watch?v=MeXb8JA4kok)

c.

4.      (Optional) [Data Structures Easy to Advanced Course - Full Tutorial from a Google Engineer](https://www.youtube.com/watch?v=RBSGKlAvoiM) (8h)

5.

6.      Take another pre-assessment.   You must have a passing pre-assessment before a second attempt request is permitted.

7.      [Schedule time with an Instructor](https://timetrade.com/app/wgu-mentoring/workflows/WGU200/schedule/?locationId=course_mentoring&appointmentTypeGroupId=C949&resourceId=any) to review your responses together and answer any questions you may have.