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Due: Wednesday, 13 December 2023, 12:00 PM



Graded Assignment 2 is worth 70% of your total grade. This component (Part B) is worth 35%. Ensure you take time to read the task, guidelines, [FAQs](#) and grading details carefully.

Your Task

The aim of this assignment is to show that you can understand the payments card industry and the security implications, as seen by the user (you!).

Previously

In Part A you previously collected data from a 'purchase', and submitted here. This Part B exercise analyses these data.

Now in Part B

1. Write a report based on your 'purchase'. This should include the following:
 - o with which websites or components of websites (e.g. JavaScript files, CSS, images) does your browser communicate during the transaction? Are there any that worry you, or whose function you do not understand?
 - o looking at the logs, to which sites does your payment card number get sent, and how is it protected in transit? You should quote the relevant part of the logs, but should replace the card number and any other identifying/sensitive data, e.g. by NNNN NNNN NNNN NNNN, before quoting
 - o looking at the HTML/JavaScript you have saved, do you feel confident you know what it is doing with your data?
 - o how dependent is the HTML *you have* on the correct functioning of the DNS? In particular, could bad DNS results result in a security problem? Note that I am not asking how the DNS can be hacked, but the impact such a hack would have on your transaction.
 - o what makes you think that the sum of money displayed to you is the sum that will be transmitted to your bank?
2. Several past students have said that https://toolbox.googleapps.com/apps/har_analyzer/ has been useful, though it won't necessarily tell you all you need to know.

In the following weeks you will participate in a group discussion to share what you learned about the PCI process. The groups for this will be assigned after the teaching team has had a chance to analyse the data, so that you will all have had different experiences using different payment methods so come prepared to share and analyse!

Guidelines

- Submit your assignment by week 7 **Wednesday before 12:00 midday (UK time)**. Remember: it may take several minutes to upload your file so leave yourself plenty of time. Late assignments will be penalised.
- The word count for this assessment is **750 words (+10%)**, submissions that exceed the word count will be penalised.
- The word count excludes images, footnotes and the reference list.
- You should use the **Bath Harvard Referencing System**. Review the library's website for more information on correct referencing.
- Your assignment must be submitted in **PDF format**. (To save from Word to PDF select 'Save as Type' and select PDF from the drop down menu).



- Save your assignment using the following **naming convention**: UnitTitle_AssignmentTitle
- This assignment uses **plagiarism detection** software. Remember to reference your work.
- Your feedback and grade will be made available in the Grades page 15 working days after the assignment due date. Your assignment grade is provisional, subject to approval by the Faculty Board of Studies following the Board of Examiners meeting, where your overall unit result will be confirmed.

Grades

- This assignment is worth **35%** of your total grade for this module.
- For information on how your grade will be calculated, please review the **Assessment Criteria** document below.

 [Graded Assignment 2 Rubric.pdf](#) + 5 September 2023, 2:47 PM

Grading summary

Hidden from students	No
Participants	18
Submitted	16
Needs grading	0
Time remaining	Assignment is due

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