

IFS4103: Penetration Testing Practice

Lecture 9: Project 2 Updates, Admin Matters, Coaching & Consultation by Ensign

Outline

- Project 2 updates
- Other course admin matters
- Pen-testing coaching & consultation (by Ensign)
- Web attack reviews (*if time permits*)

Project 2 Updates

Tentative Schedule

[illegible]

Account Matters

- **App 1 (Peer Review):**
 - **Student accounts** are not usable
 - The required **workflow**: Dept Admins need to initiate reviews first
 - Please refer to **Slides 5 & 6** of the updated presentation slides:
included as the next 2 slides
- **App 2 (NSWS):**
 - Account issues?
 - App access issues?

| Work Flow



Role based Info:

Group ID	Dept	Dept Admin	Reviewers	HOD Approver	Dean Approver	Reviewee
1	NUS IT	CCETET07 CCETET10	<i>[Reviewer 1]</i> CCETET04 CCETET08 <i>[Reviewer 2]</i> CCETET05 CCETET09	CCETET02	CCETET06	CCETET01 CCETET03
2	Physics	CCETST72 CCETST75 CCETST77	<i>[Reviewer 1]</i> CCETET14 CCETST73 <i>[Reviewer 2]</i> CCETET14 CCETST73	CCETET12	CCETET16	CCETET11 CCETET13 CCETST76
3	Chemistry	CCETET23 CCET0049 CCET0051	<i>[Reviewer 1]</i> CCETET20 CCETET24 <i>[Reviewer 2]</i> CCETET21 CCET0048	CCETST81	CCETET22	CCETST80 CCETET19 CCET0050
4	Computer Science	CCET0058 CCET0061	<i>[Reviewer 1]</i> CCET0055 CCET0059 <i>[Reviewer 2]</i> CCET0056 CCET0060	CCET0053	CCET0057	CCET0052 CCET0054

Project 2: Weightage & Team Formation

Review

- **Total weightage: 50%**
 - Findings & report: **30%**
 - Presentation (Week 12): **10%**
 - Combined/delivered final report & client presentation (Week 13): **5%+5%**
- **Team formation:**
 - **Four teams** of 5-6: please refer to my Canvas announcement
 - **Teams 1 & 2:** each works on **NUS target system #1**, to form **Team A** for the final presentation
 - **Teams 3 & 4:** each works on **NUS target system #2**, to form **Team B** for the final presentation
 - **Note:** depending on the 2 NUS apps, each team **may pen-test both apps**

NUS App Allocations & Tasks

- **Teams 1 & 2:**

- Should focus on **pen-testing App 1 (Peer Review)**: in Weeks 9-12
- Can **additionally** pen-test App 2 (NSWS): in Weeks 9-12
- Need to separately **report+ & present** on App 1: in Week 12
- To form **Joint Team A**: right after the presentation in Week 12
- To submit the **report & present** on App 1: in Week 13

9	21-Mar	Pen-testing of NUS apps & consultation					
10	28-Mar	NUS Well-Being Day (no class)					
11	04-Apr	Pen-testing of NUS apps & consultation					
12	11-Apr	Internal-group presentation & discussion					
13	18-Apr	Final pen-testing presentation with clients, module wrap-up					
		Sessions conducted by SoC					
		Sessions conducted by Ensign					
		Session conducted together by SoC & Ensign					

NUS App Allocations & Tasks

- **Teams 3 & 4:**

- Should focus on **pen-testing App 2 (NSWS)**: in Weeks 9-12
- Can **additionally** pen-test App 1 (Peer Review): in Weeks 9-12
- Need to separately **report+ & present** on App 2: in Week 12
- To form **Joint Team B**: right after the presentation in Week 12
- To submit the **report & present** on App 2: in Week 13

9	21-Mar	Pen-testing of NUS apps & consultation					
10	28-Mar	NUS Well-Being Day (no class)					
11	04-Apr	Pen-testing of NUS apps & consultation					
12	11-Apr	Internal-group presentation & discussion					
13	18-Apr	Final pen-testing presentation with clients, module wrap-up					
		Sessions conducted by SoC					
		Sessions conducted by Ensign					
		Session conducted together by SoC & Ensign					

Project 2 Report: Assessment Rubrics

Review

- The **total marks** possible for Project 2 report: **100**
- **Components/criteria:**
 - Vulnerability findings & validations reported: **50***
 - Report writing: **50***
 - Section completeness: **15**
 - Finding-details (including impact, mitigation) explanation writing & style: **20**
 - Report clarity/readability: **15**

Note: * The ratio can be adjusted *if needed*

Project 2 Presentation: Assessment Rubrics

Review

- The **total marks** possible for each project presentation: **100**
- **Components/criteria** & respective weightages:
 - Slide content, lay-out & design, clarity/readability: **50**
 - Presentation: **35**
 - Q&A: **15**

Projects 1 & 2: Team Diary

Review

- Each team keeps a **diary** (with shared editing)
- Could use **Google Doc** (requires Gmail IDs) or maybe **Microsoft Teams** (?)
- Record what each team member is doing:
 - Each team member should edit ***his/her own text*** only
 - Include **date** for each added entry
 - Use it as ***append-only document***: even if you could re-edit past entries, just do it as a change-log while keeping the original past entries
- Free-format except for above rules

Important Dates (1/2)

Review

- **Four** internal teams' **pen-testing report** submission:
 - Week 12: Thursday, **11 April, 2:00pm** (before our class)
 - Submit your PDF report to Canvas assignment: **Project-2-Report**
- **Four** internal teams' **findings presentation**:
 - Week 12: Thursday, **11 April, 2:00pm** (before our class)
 - Submit your slides to Canvas assignment: `Project-2-Slides`
 - Each presentation is **30 minutes** (including demo), followed by **15 minutes** of Q&A and feedback
 - **Presentation order**: *TBD*

Important Dates (2/2)

Review

- Two joint-teams' **presentation dry-run** (*not* graded):
 - Week 12 or 13: on your own → *online*?
- Two joint-teams' final **pen-testing report** submission:
 - Please email me your joint team's PDF by **Tuesday, 16 April, 7:00pm**
 - I'll email back the commented PDF by **Tuesday, 16 April, 11:59pm?**
 - Please email me your revised/final PDF by **Wednesday, 17 April, 2:00pm**
 - I'll email the final report to NUS IT by **Wednesday, 17 April, 3:00pm**
- The **findings presentation sessions** with NUS:
 - Week 13: Thursday, **18 April, 2:00-5:00pm** (during our class)

Other Course Admin Matters

For Weeks 9 & 10

- **Week 9:**

- Report **account-related matters**, if still any: by the end of Week 9
- Email **Project 1 marks**, if you missed it: by the end of Week 9

- **Week 10:**

- Project 1 **peer review** submission
- Project 1 **mark calculation**
- Share your P2 team's **diary** *via*
- **No** class next week!
- **But**, keep on pen-testing!
- *If you have questions for Ensign??*

Pen-Testing Coaching & Consultation (by Ensign)

Web Attack Reviews ***(If Time Permits)***

Thanks!

Enjoy your NUS Well-Being Day