

Planning the Project



Project Management (Networking and Cybersecurity) T/650/5009

AC 2.2: Use project management software to plan a networking and cybersecurity project.

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Scenario

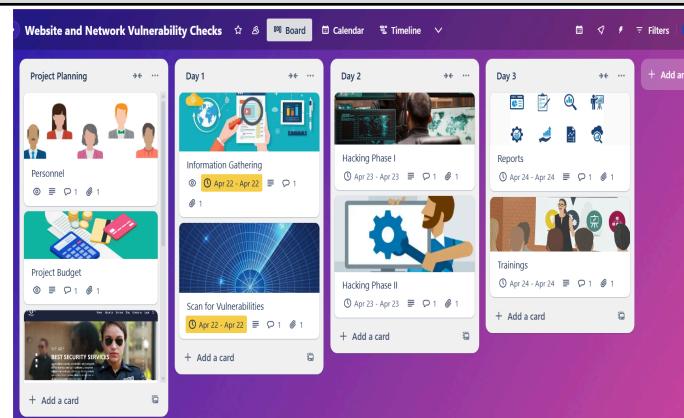
"Pentest Ground" are a security services company based in New York and have employed you as their Ethical Hacker. They require you to intentionally probe their website to identify vulnerabilities before malicious hackers can exploit them, so they can then implement countermeasures to enhance the security posture of their website and systems.

Pentest Ground have given you authorisation to scan their URL <https://pentest-ground.com:81/>, has provided you with a £5000 budget and a time constraint of 3 days to conduct actions/attacks for physical, logical, and social exploits and report findings, vulnerabilities, potential risks, and the system's impact, along with recommendations for improving security policies and procedures.

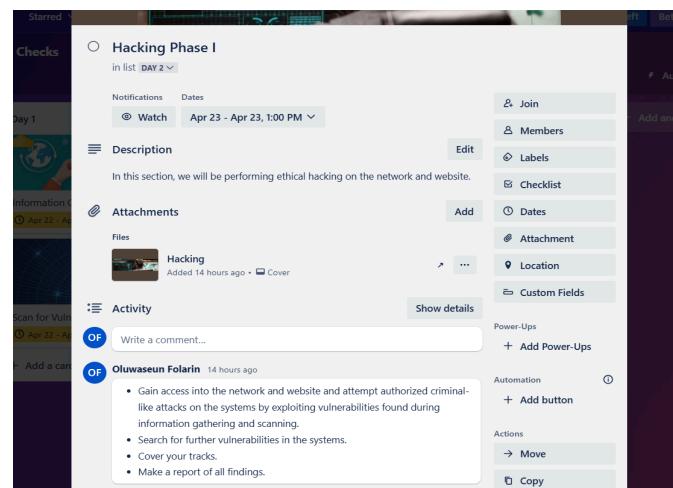
Task

Use Trello, GitHub or Jira to plan the project. Your plan could include:

- identification of phases and activities
- potential for parallel or sequential processes
- resources needed for each activity
- timescales
- review points, e.g. milestones, checkpoints, deadlines



This screenshot identifies different phases and activities to be carried out during the project. On the board, we have the planning of the project which involves the personnel, budget, project focus, systems to be tested and things to consider like risks and constraints. Furthermore, the board includes a day to day phases of tasks to be performed. From day 1 to day 3 with each day having to focus on assigned tasks. E.g. Day 1 is all about gathering information about the project and scanning both network and website for vulnerabilities.



This shot evident the first task of Day 2 which is the hacking phase I or executional phase I. Under the activities, the sequential processes to follow in order to carry out a successful ethical hacking are highlighted. With the deadline set to 1 pm on 23rd of April.

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This screenshot shows a project task card titled "Scan for Vulnerabilities". The card is set for "DAY 1". It includes a description stating: "We will be carrying out 3 different types of scans with the following resources:" followed by a bulleted list: "• Vulnerability Network Scanner", "• Vulnerability Website Scanner", and "• Port Scanner". There are sections for "Attachments" (a file named "Scanning" added on April 19, 2025, at 5:50 PM), "Activity" (a comment from Oluwaseun Folarin on April 19, 2025, at 10:19 PM), and a sidebar with various actions like "Join", "Members", "Labels", "Checklist", "Dates", "Attachment", "Location", "Custom Fields", "Power-Ups", "Automation", and "Actions".

This shot identifies the second task for Day 1 which is scanning for vulnerabilities after gathering necessary information about the project. Under the description, the resources that will be used to carry out these scans are stated and in bold fonts.

This screenshot shows a project budget card titled "Project Budget". The card is set for "PROJECT PLANNING". It includes a description stating: "Budget allocated for the project and expenses." There is a section for "Attachments" (a file named "Budget.png" added 1 hour ago), "Activity" (a comment from Oluwaseun Folarin on April 18, 2025, at 6:05 PM), and a sidebar with various actions like "Join", "Members", "Labels", "Checklist", "Dates", "Attachment", "Location", "Custom Fields", "Power-Ups", "Automation", and "Actions".

This is the budget phase under project planning. It identifies the budget allocated to the project and expenses.

This screenshot shows a Trello board titled "Website and Network Vulnerability Checks". The board has a timeline view for April 2025. It lists tasks for "Day 1" (Information Gathering, Scan for Vulnerabilities), "Day 2" (Hacking Phase I, Hacking Phas...), and "Day 3" (Reports, Training). The board also shows a "Project Planning" column with "(S) Not scheduled". A sidebar on the left provides navigation options like "Trello", "Workspaces", "Recent", "Starred", "Templates", and "Create".

This is a shot of the project timescale. It shows the dates each task should start and complete. Day 1 which is 22nd of April has two tasks to be completed. By 1pm, gathering of information should be completed and commence with a second task for the day (scanning) which is scheduled to be completed on the same 22nd of April but by 4pm.

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A screenshot of a Trello calendar view titled "Website and Network Vulnerability Checks". The calendar shows tasks for the week of April 20, 2025. On Tuesday, April 22, there are two tasks: "Information Gathering" (completed) and "Scan for Vulnerabilities". On Wednesday, April 23, there are two tasks: "Hacking Phase I" and "Hacking Phase II". On Thursday, April 24, there are two tasks: "Reports" and "Trainings". A button "+ Add" is visible at the bottom left of the calendar area.

Sun	Mon	Tue	Wed	Thu	Fri
		20	21	22	23
		Information Gathering Scan for Vulnerabilities	Hacking Phase I Hacking Phase II	Reports Trainings	
		24	25		
		27	28	29	30
				May 1	2

Thought this would also be a good example of the project timeline. It's a calendar illustrating the timing of the project and it allows you to mark projects as complete or incomplete. E.g. Information Gathering is marked as completed with "Scan for Vulnerabilities" the next task to complete for the day.