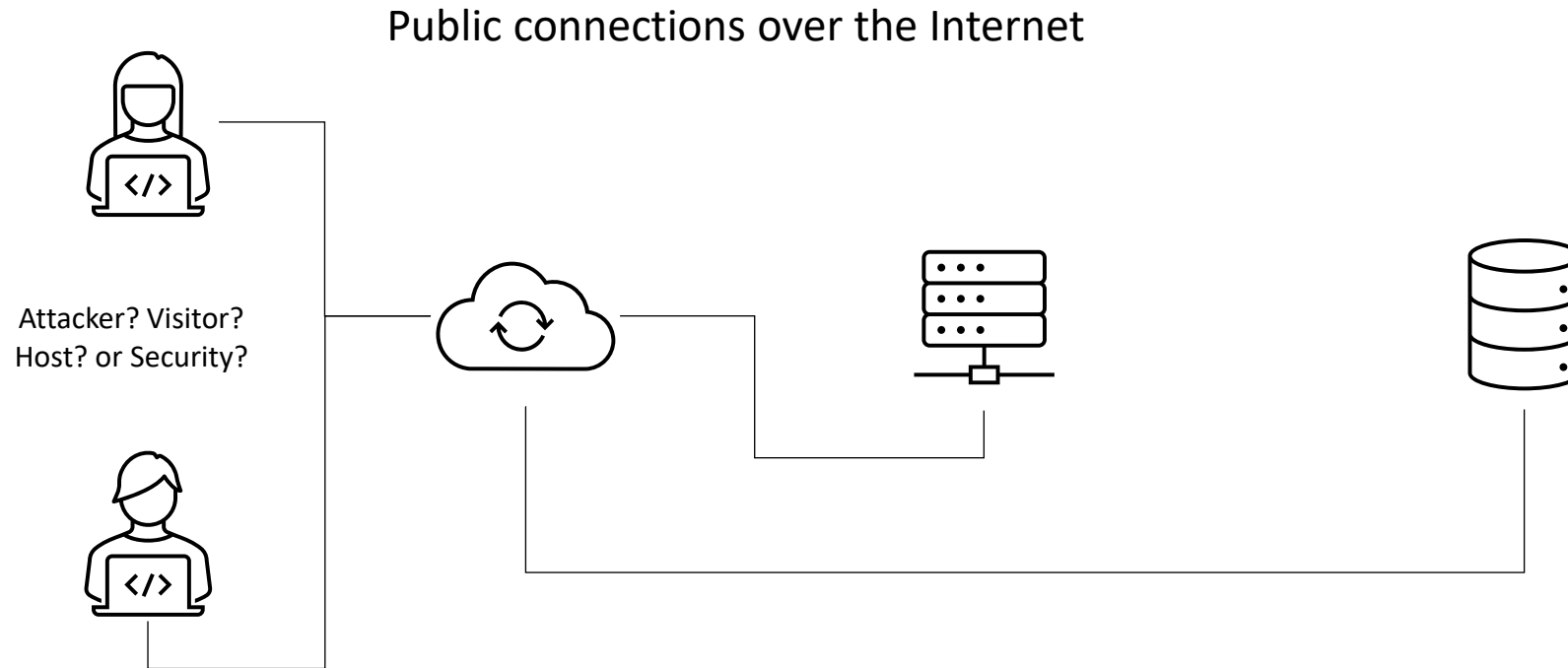


Assignment checklist & documentation

BENR 3433 INFORMATION SECURITY

YOUR [AZUREWEBSITES LINK HERE](#) FOR PENETRATION TESTING

?Your VMS architecture? ?threat modelling? ?due diligence?



Assets	Threat Agent	Attack surface	Attack Goal	Impact	Controls (Mitigation)
User credential stored in the database??	Attacker? Visitor? Host? or Security?	Improper API implementation of the backend server?	Obtained user credential?	Confidentiality? Integrity? Availability?	?

A lot more?

Checklist (APIs)

Needed APIs for BENR3433	API hosted at azurewebsites
1 Public API for security to create new host account. 1.1 API required security approval (e.g. /create/host) 1.2 Testing API without security approval (e.g. /create/test/host)	?POST? https://xxxx.azurewebsites.net/???
2 Public API for authenticated host to see all created visitors.	
3 Public API for authenticated host to issue visitor pass (only visitor record stored into database, no need to create visitor account).	
4 Public API for visitor to retrieve the pass.	
5 Administrator login page (dump all hosts' data upon successful login).	
6 6.1 Additional APIs (manage account roles (security/host) by authenticated administrator and etc) 6.2 Public API for authenticated security to retrieve the contact number of the host from the given visitor pass (the pass should only review destination host to visit to the public)	

API documentations (swagger or REST clients)

Needed APIs for BENR3433		API hosted at azurewebsites
1	Public API for security to create new host account. 1.1 API required security approval (e.g. /create/host) 1.2 Testing API without security approval (e.g. /create/test/host)	1.1 ?POST? https://xxxx.azurewebsites.net/??? 1.2 ?POST? https://xxxx.azurewebsites.net/???

and the documentation on how to create new host and new test host (without security approval)

The test API should have identical role as actual host

The test API shall be removed at the end of the penetration testing.

API documentations (swagger or REST clients)

Needed APIs for BENR3433	API hosted at azurewebsites
2	Public API for authenticated host to see all created visitors.

and the documentation on how to see all created visitors by the host.

API documentations (swagger or REST clients)

Needed APIs for BENR3433	API hosted at azurewebsites
3 Public API for authenticated host to issue visitor pass (only visitor record stored into database, no need to create visitor account).	

and the documentation on how to issue visitor pass.

API documentations (swagger or REST clients)

Needed APIs for BENR3433	API hosted at azurewebsites
4 Public API for visitor to retrieve the pass.	

and the documentation on how to access the created pass.

API documentations (swagger or REST clients)

Needed APIs for BENR3433	API hosted at azurewebsites
5 Administrator login page (dump all hosts' data upon successful login).	

and the documentation on how to login

API documentations (swagger or REST clients)

Needed APIs for BENR3433	API hosted at azurewebsites
<div>6</div> <div>6.1 Additional APIs (manage account roles (security/host) by authenticated administrator and etc)</div> <div>6.2 Public API for authenticated security to retrieve the contact number of the host from the given visitor pass (the pass should only review destination host to visit to public)</div>	

and the documentation on how to use the 6.1 and 6.2 APIs

Due diligence in securing the APIs

Needed APIs for BENR3433		API hosted at azurewebsites
1	Public API for security to create new host account. 1.1 API required security approval (e.g. /create/host)	?POST? https://xxxx.azurewebsites.net/???
Current weakness and plan to secure it.		Expected outcomes and estimated date of completion

Due diligence in securing the APIs

Needed APIs for BENR3433		API hosted at azurewebsites	
2	Public API for authenticated host to see all created visitors.		
Current weakness and plan to secure it.		Expected outcomes and estimated date of completion	

Due diligence in securing the APIs

Needed APIs for BENR3433		API hosted at azurewebsites	
3	Public API for authenticated host to issue visitor pass (only visitor record stored into database, no need to create visitor account).		
Current weakness and plan to secure it.		Expected outcomes and estimated date of completion	

Due diligence in securing the APIs

Needed APIs for BENR3433		API hosted at azurewebsites	
4	Public API for visitor to retrieve the issued pass.		
Current weakness and plan to secure it.		Expected outcomes and estimated date of completion	

Due diligence in securing the APIs

Needed APIs for BENR3433		API hosted at azurewebsites
5	Administrator login page (dump all hosts' data upon successful login).	
Current weakness and plan to secure it.		Expected outcomes and estimated date of completion

Due diligence in securing the APIs

Needed APIs for BENR3433		API hosted at azurewebsites
6	<p>6.1 Additional APIs (manage account roles (security/host) by authenticated administrator and etc)</p> <p>6.2 Public API for authenticated security to retrieve the contact number of the host from the given visitor pass (the pass should only review destination host to visit to public)</p>	
Current weakness and plan to secure it.		Expected outcomes and estimated date of completion

Due diligence in securing your MongoDB database

Database access (action plan)	Outcomes
1 Backend uses certificates rather than username and password to connect to the MongoDB Atlas?	
2 Whitelist only the azurewebsites' backend IP address?	
3 MongoDB Atlas uses strong username and password to login?	