

# Designing a secure PWA

## *Part one: Complete the table*

Consider the following scenario: You have been approached by a client to develop a PWA for their company. They want to know more about secure software and what it means to the company and their data. Complete the table below, explaining each of the key concepts:

Element	Benefit
Confidentiality	
Integrity	
Availability	
Compliance with regulations	
Protection against cyber threats	
Customer trust	
Business continuity	

## *Part two: answer these questions:*

1. Why is data confidentiality important?
2. Why is it crucial to protect sensitive information from unauthorised access?
3. Why are data breaches, identity theft, and privacy violations concerning?
4. Why is maintaining individuals' privacy and protecting organisational reputation important?
5. Why is building trust with customers and stakeholders crucial for organisations?

### *Part three: a thinking exercise*

Complete the following table explaining benefits of developing secure software to minimise cyber attacks and vulnerabilities:

Element	Benefits
Prevent data breaches	
Mitigate against cyber threats	
Protect customer trust	
Comply with regulations	
Business continuity	
Cost savings	
Competitive advantage	

### *Part four: Take a quiz*

Visit the following website: <https://www.cyber.gov.au/learn-basics>. For each of the six practical ways to protect yourself online, provide an ***annotated*** screenshot of the concept being discussed. All screenshots **MUST** be your own from one (or more) of your devices.

Double click here to show concept 1: Device updates

Double click here to show concept 2: regular backups

Double click here to show concept 3: MFA

Double click here to show concept 4: setting secure passphrases

Double click here to show concept 5: Recognising and reporting scams

Double click here to show concept 6: being threat aware

Double click here to add a screenshot of your quiz result. No cheating!