# software Engineering Workshop

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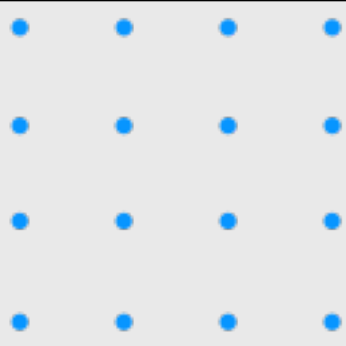
# introduction

İn this workshop, we studied and researched the quality of Al Rajhi Bank applicatio from various aspects, including the quality of the source code, documentation, design and security. We evaluated the application and proposed solutions to the problems that we found and discussed several topics, namely:

# structure

1. Meaningful identifiers
2. Vertical alignment
3. Standard code structure
4. Classes names
5. Proper data structure
6. Coherent Identifiers
7. Dependency injection

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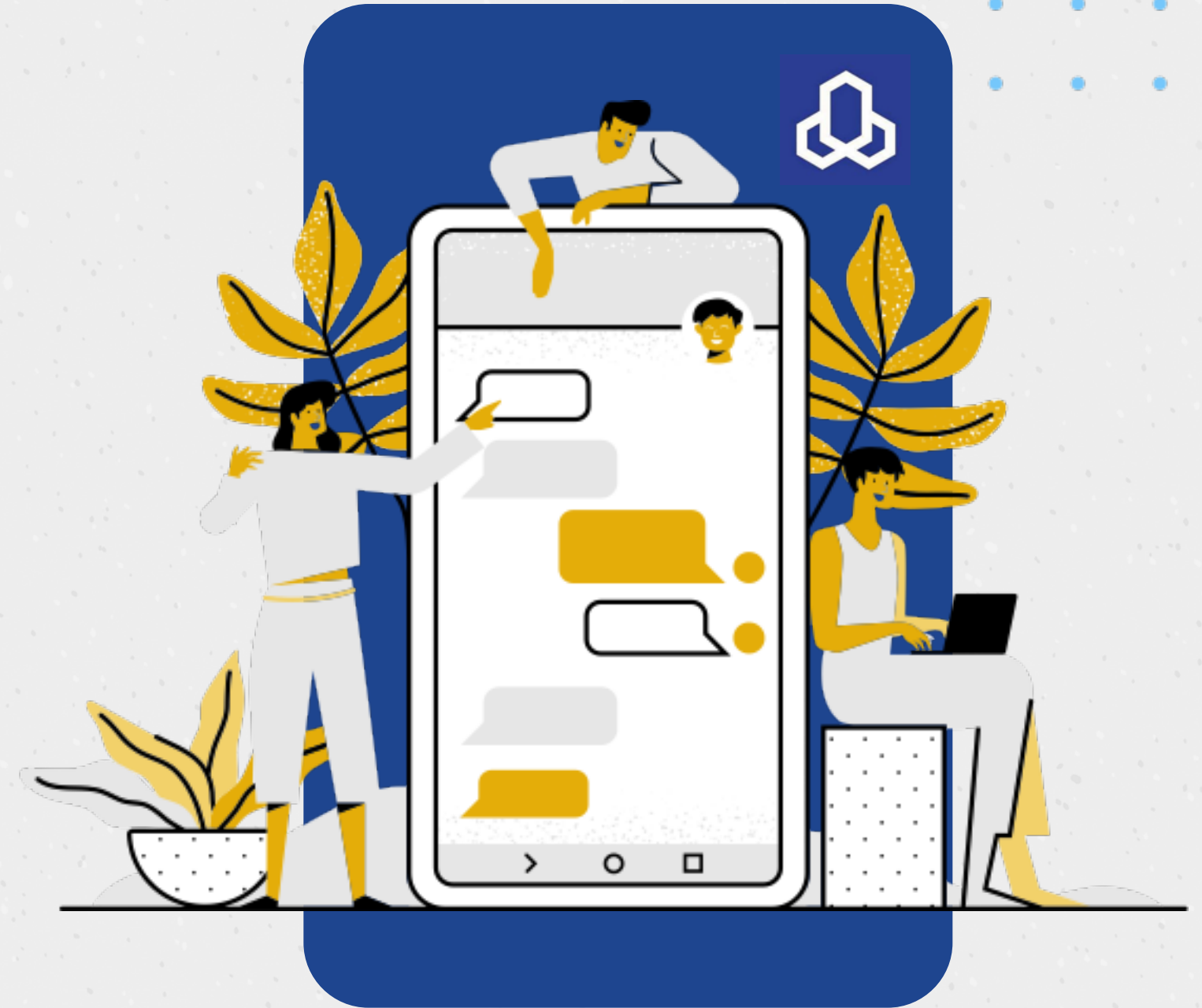
Readability

Reliability

Reusability

Documentation and commenting in code

Clean code

Maintainability

# DESIGN

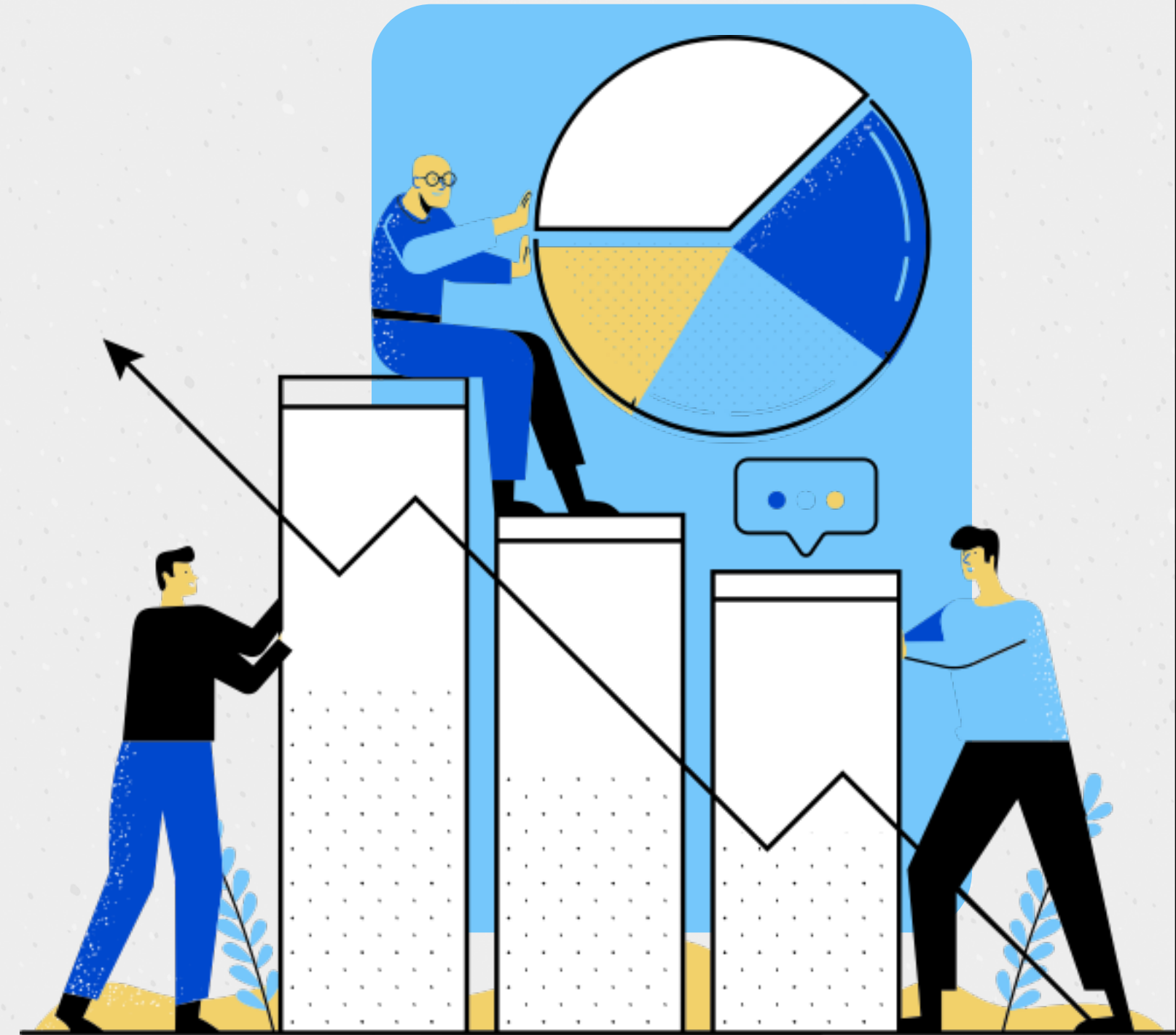Information Exper

Coupling

Balancing the workload

Knowing responsability

Doing responsability

# Security

1. Access to apps

2. Providing a handler for exceptions

3. Androids export activity

4. Limit the visibility of information

5. Cleartext network traffic

6. External storage

# Discussion

The proposed solutions for issues found :

1. Consider Vertical alignment .

2. Balance the workload between classes of the same folder.

3. Identification and authorization for security is required.

4. Cleartext network traffic attribute should be set to "false" to avoid security issues.

5. Android export activity should be set to "false" to avoid security issues.

6. Launch mode activity should be set to "standard" to avoid security issues.

7. Comments and documentation should be written.

8. Some of if-else blocks and the creation of related data can be written in better advanced ways.

# THANK YOU FOR YOUR ATTENTION
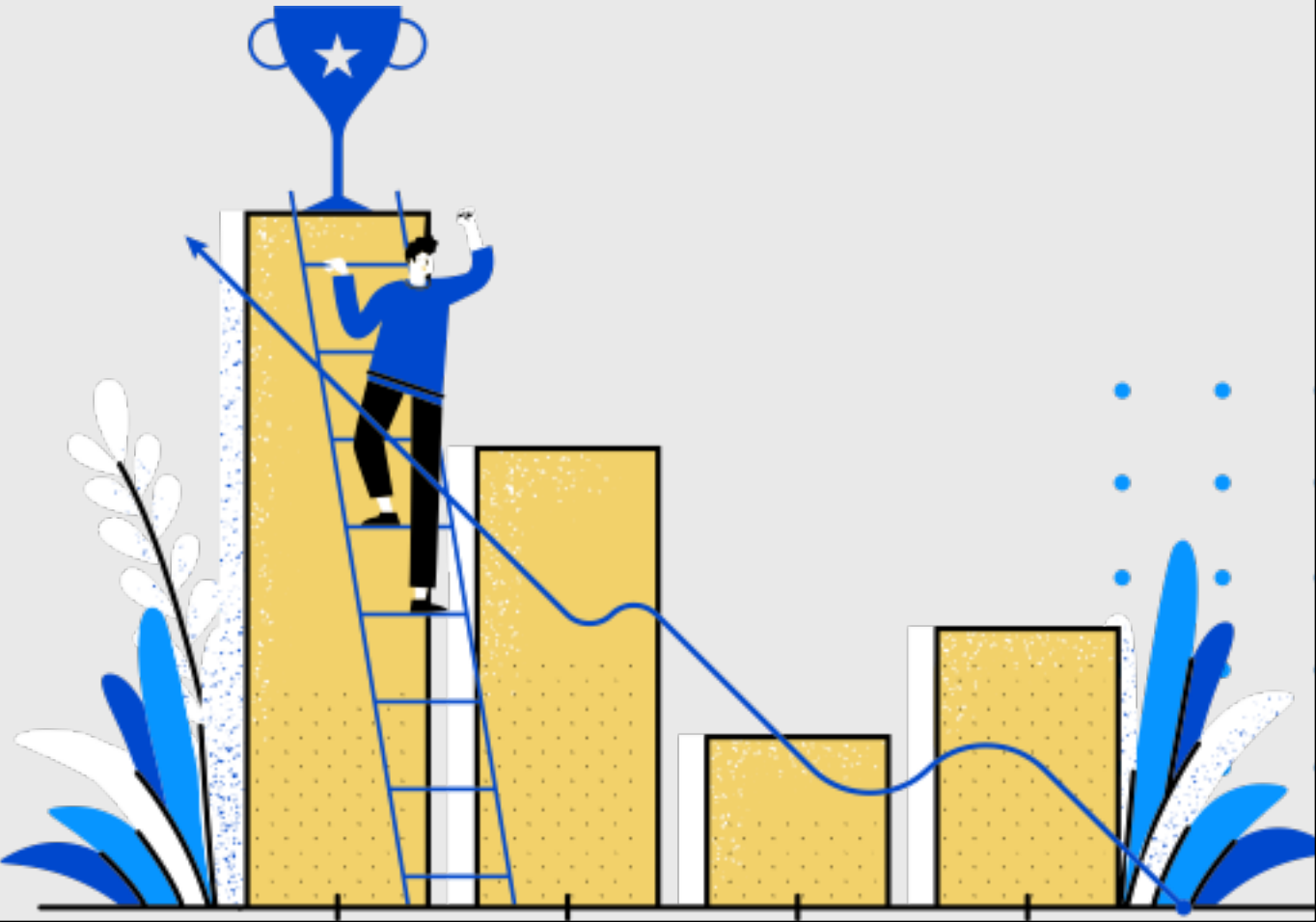
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