

SQUERIST 📎

Agenda

- > What, how and why of Low Code
- > Do we have to test Low Code applications?
- > Low Code applications Risk Profile
- > Example projects

System development has evolved, so we have to evolve as well!





SQUERIST 📎

Low Code testing

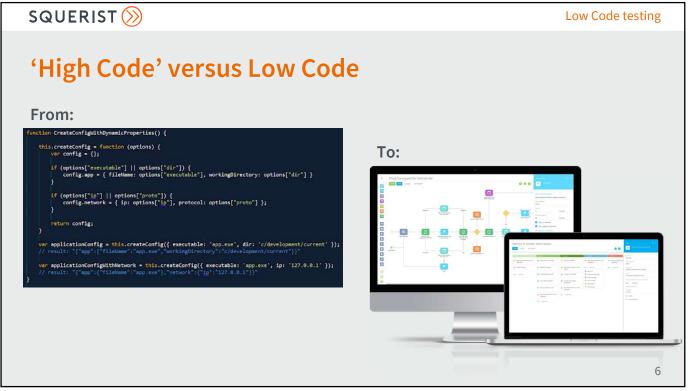
Definition

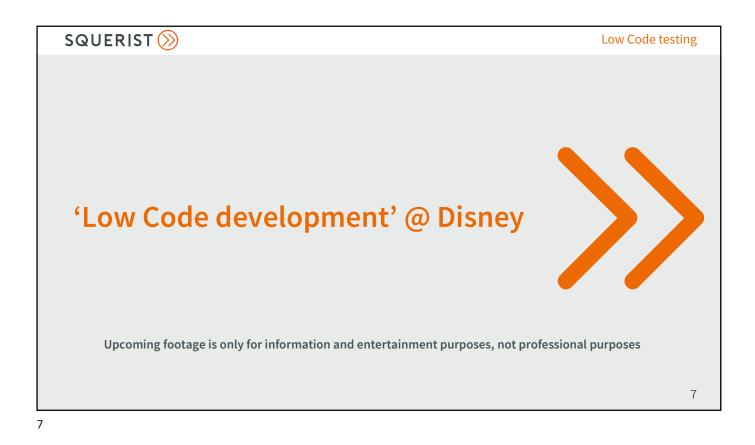
- Forrester: Products and/or cloud services for application development that employ visual, declarative techniques instead of programming
- Mendix: Low code is a visual approach to software development. Low code abstracts and automates every step of the application lifecycle to enable rapid delivery of a variety of software solutions. It breaks the traditional silos of business and IT to promote continuous collaboration.

'Building applications not by coding but by drag, drop and set properties'



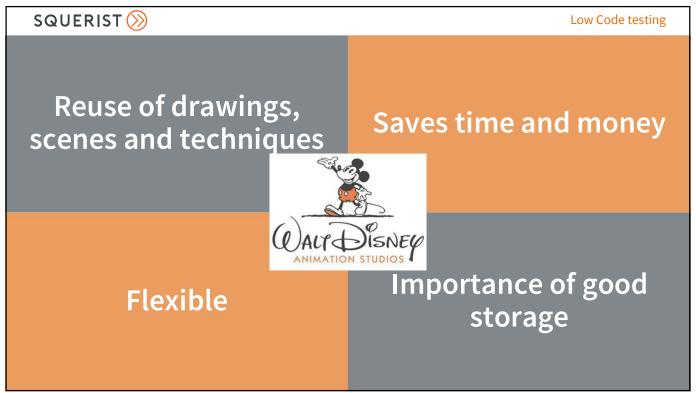


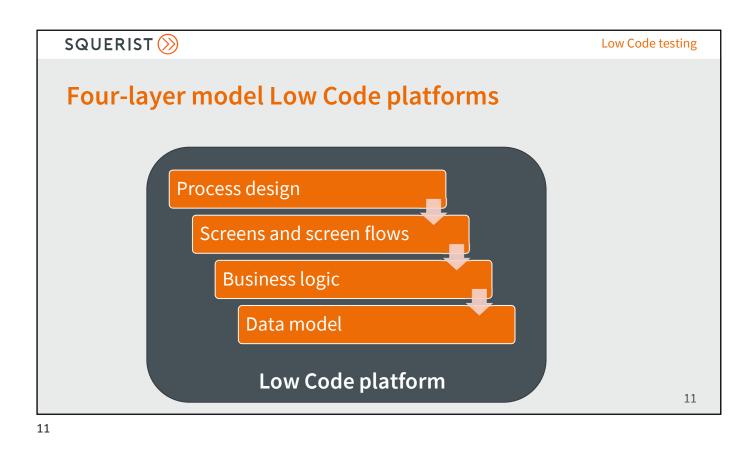


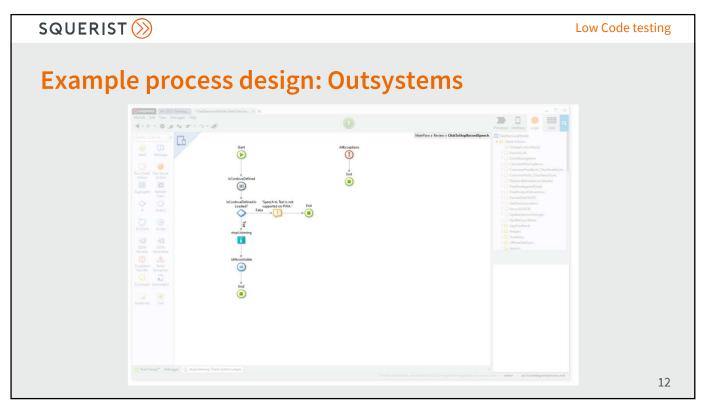




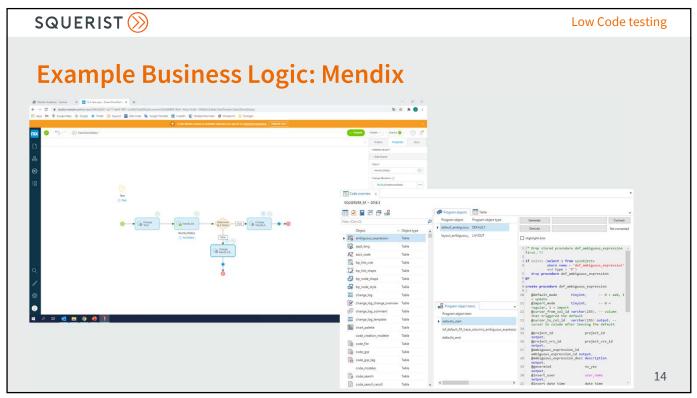


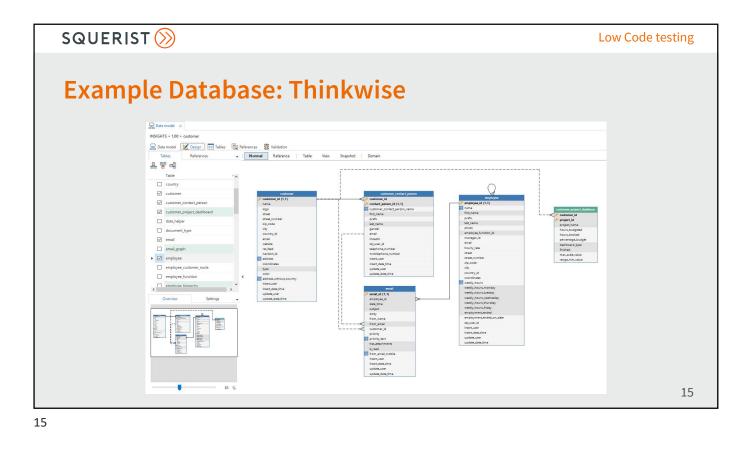






SQUERIST 📎		Low Code testing
Example User Interface design: Pega		
	Edit Section: Collect Personal Info (Available) SÆ HRSenkes Work-Candidae - CollectPersonalinfe HRSenkes010101	
De	sign Parameters Pages & Classes HTML History	
	S 12 C 1 C Avanced -	
	Secton Include [SAE-HRServices-Data-Candidate CollectPersonalities_Candidate] Abc Formatted Text	
	Dynamic Layout (Action area) - 1 Zandidate Text input Text input	
	Text Area	
	Rist Name Icon / Image	
	Last Name# BRAbc Check Box	
	Email * OR Radio Buttons	
	Phone Number 31 Date & Time	
	Social Security Number*	
	Opannic Layou (Action area) 1 Position Applied For * Position Applied For	
	Referred By Employee	
	ReferredByEmployee	
		13











SQUERIST

Development of use of low code

- Generation 1: Experimenting, making small, stand-alone apps
- > Generation 2: Making 'on top' apps
- Generation 3: Making serious 'on top' apps, replacement of custom build functionality and complete applications
- Generation 4: Making large scale, complex, business critical, highly reliable and secure/compliant core applications





SQUERIST

Low Code testing

Increasing risk

- > Large scale: many stakeholders affected
- Complex: easy to make mistakes and some mistakes are not easy to discover in production
- > Highly reliable: the core processes depend on it
- Secure/compliant: I hope I don't have to explain this category
- > You build the wrong thing



Low Code testing

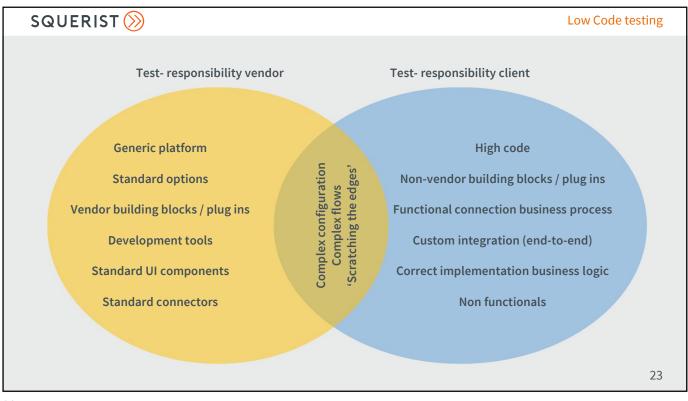
21

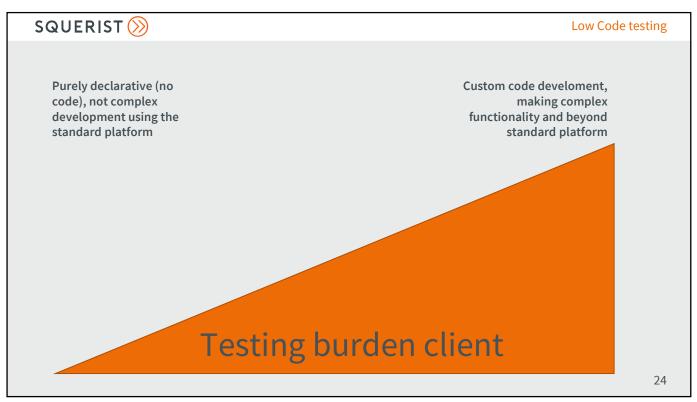
Yes and no

Yes: systems build by mature platforms using only this platform and the building blocks developed by the vendor have, generally speaking, higher quality compared to high code. And some have automatic validation.

> No:

- > Not all platforms are really reliable
- > Building blocks can come from different sources
- > In a lot of cases we have to incorporate high code
- 'There are a lot of ways to build a screen in <platform name> and only a few are good'
- > The automatic validation is only on technical quality





SQUERIST (>>>

So, if you don't want to test

- Make simple applications (the apps on top of for instance SAP)
- > Use only the standard platform and platform vendor building blocks and plug ins
- > Avoid custom coding
- > Make applications for small amount of users
- And make sure there is a workaround in case of errors

Or accept the risk!







