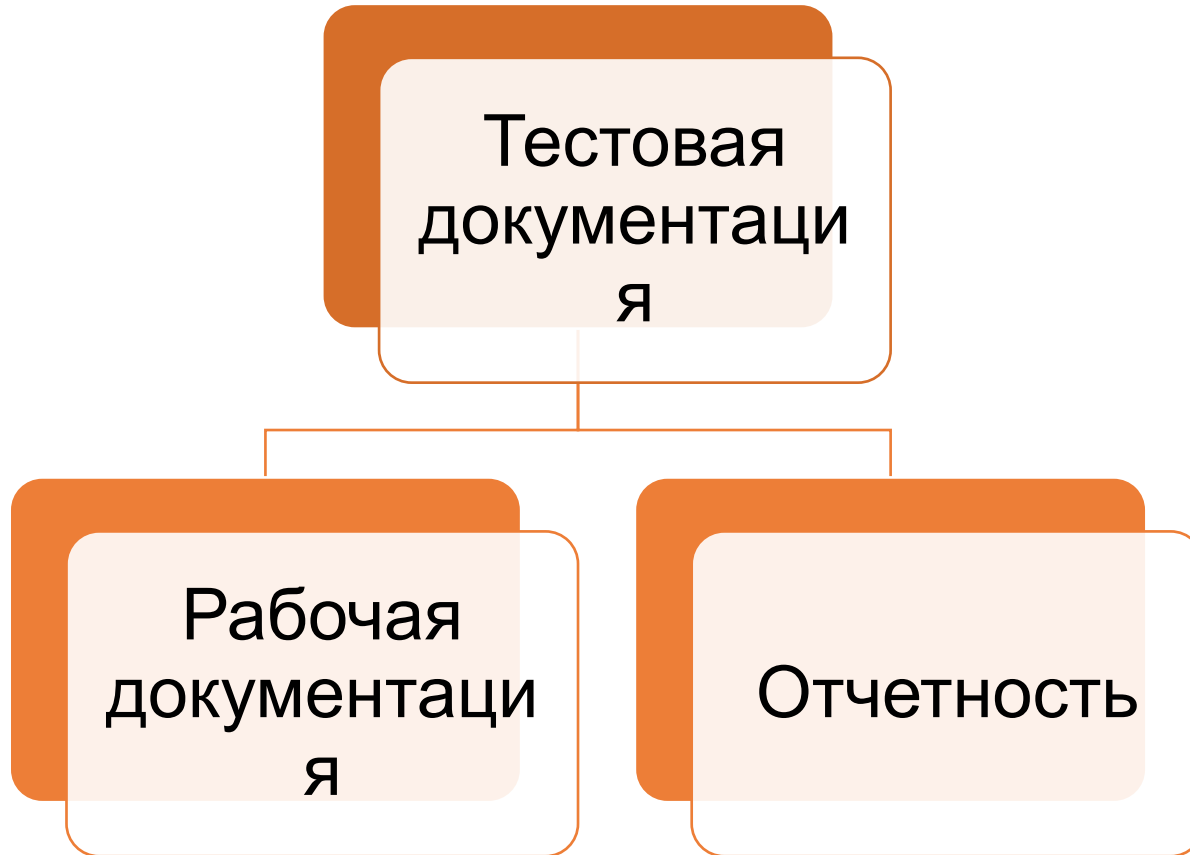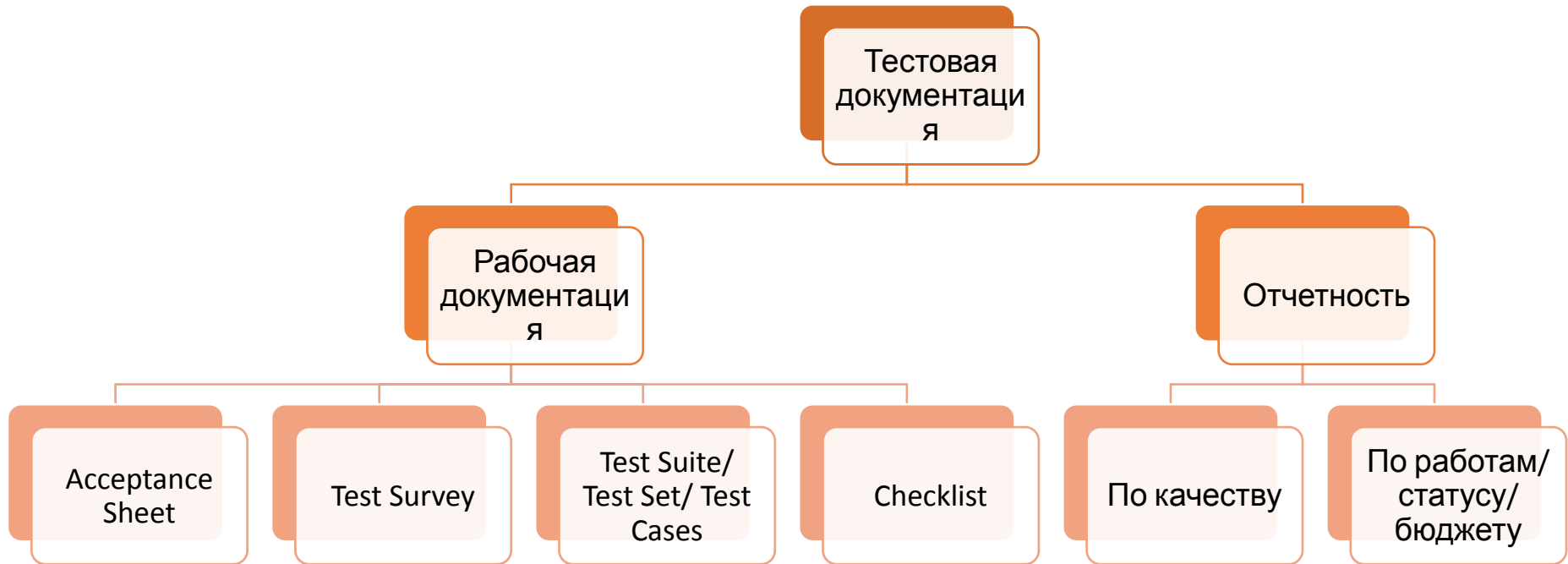# ЛЕКЦИЯ 7
«Тестовая документация»

Содержание:

- Тестовая документация – какая она бывает?
- Test Cases: структура и детализация
- Инструменты управления тестами
- Критерии выбора тестовой документации

Виды тестовой документации

Тестовая документация

Рабочая документация

Отчетность

Виды тестовой документации

```
                    Тестовая
                  документация
                        |
        +---------------+---------------+
        |                               |
    Рабочая                        Отчетность
  документация                         |
        |                      +--------+--------+
  +-----+-----+-----+          |                 |
  |     |     |     |      По качеству      По работам/
Acceptance Test  Test Suite/ Checklist               статусу/
 Sheet   Survey Test Set/                            бюджету
                Test Cases
```

Рабочая документация

Тип документации	Что описываем	Когда используем	Пример
Checklist	Основные проверки	Для типовой функциональности	Протестировать форму входа в почту
Acceptance Sheet	Части функциональности, подлежащие проверке.	Небольшие, простые по бизнес-логике проекты Часто выпоняемые тесты (Smoke test)	Форма входа на сайт
Test Survey	Конкретные проверки в рамках отдельных кусков функциональности. Может содержать ожидаемый результат.	Средние или большие проекты, с понятной бизнес-логикой	Форма входа на сайт: - Корректные данные - Неверное имя пользователя - Неверный пароль...
Test Cases	Пошаговое описание, инструкции по тестированию. Всегда содержит ожидаемый результат.	Большие и долгосрочные проекты, требующие глубоких знаний в предметной области	Форма входа на сайт: 1. Откройте форму входа 2. Введите имя пользователя test1 3. Введите пароль test1 4. Нажмите кнопку «Войти» Ожидаемый результат: пользователь переходит на домашнюю страницу

Acceptance Sheet

Acceptance Sheet

	A	B	C	D
			Build	**0.9.14**
			Test type	**AT**
			Test date	**08.07 - 10.07.2015**
			Project Environment	
			Operating System	**iOS**
36	**Sign Up**			
37		**Sign Up page**		
38			GUI	*Average*
39			Sign up using new account	OK
40		**Profile page**		
41			GUI	OK
42			User Nickname	OK
43			City and state	OK
44			Gender	OK
45			Marital status	OK
46			Ethnicity	OK
47			Birthday	*Minor*
48			Accept data	OK
49			Accept T&C	OK
50			Show T&C	OK
51			Show me some hotties! button	OK
52	**Sign In**			
53		GUI		*Average*
54		Sign in by Facebook		*Major*
55		Sign in by Google		*Major*
56		Sign in using existing account		OK
57	**Sign Out**			
58		GUI		OK
59		Sign Out		*Major*
60	**Password Reset**			
61		GUI		OK
62		Reset Password		OK

Test Survey

Test Survey

				Date		September 16, 2014			October 15, 201
				Build		3.1.8.0			3.1.11.0
				Environment		iPad 3, iOS 7.1.2			iPad 2 mini, iOS 8.
				Test type		Smoke			MAT
				Passed, %		8%			62%
				Failed, %		1%			3%
				Blocked, %		0%			0%
				Not run, %		92%			35%
				Total		119			119

Test Type	Requirements	Module	Functionality			Test Results		Test Results	
						Result	Comment	Result	C
▼		Mark by touch/by button	▼						
MAT	ILEF-202	Mark by touch	Touching and holding on the drawing brings up a dialog containing a box for entering the Mark Name and an icon/command for selecting Standards			Not run		Passed	
MAT	ILEF-202		See the menu in the landscape mode			Not run		Passed	
MAT	ILEF-202		If the standard command is not given, the user can touch the Mark name entry box and type in the Mark name			Not run		Passed	
Smoke	ILEF-202		Enter any name, tap the Done keyboard button, see the mark is created and saved			Passed		Passed	
Smoke	ILEF-202		Enter any name, tap the area out of the mark menu, see the mark is created and saved			Passed		Passed	
MAT	ILEF-202		Do not enter name and tap out of the field - no mark is created			Not run		Passed	
AT	ILEF-202	Data Validation	If the Mark Name is blank, the mark is not created			Not run		Not run	
AT	ILEF-202		If the Mark Name consists of spaces only, the mark is not created			Not run		Not run	
AT	ILEF-202		See the mark name with java script encoding - it is not applied			Not run		Not run	
AT	ILEF-202		See the mark name with HTML tags - they are not applied			Not run		Not run	
AT	ILEF-202		See the mark name with multi-byte characters - they are correctly applied			Not run		Not run	
AT	ILEF-202		See the mark name with special characters - they are correctly applied			Not run		Not run	
AT	ILEF-202		See the mark name with character codes - they are not applied			Not run		Not run	
AT	ILEF-202		See the mark name with maximal (100) long text - it is correctly applied			Not run		Not run	
AT	ILEF-202		See the mark name with more than maximal (101) long text - more characters are not allowed			Not run		Not run	

Test Cases

		Total cases	Total cases	Cases Run	Cases Passed	Cases Failed	Cases Blocked	Cases Not run
Name:	Smoke testplan			57	57	0	0	1
Component:	ESM Platform	58	58					
Function:	All functionality			% Run	% Passed	% Failed	% Blocked	% Not run
Decription:	Smoke testing			98%	98%	0%	0%	2%

		Preconditions:			Build № (environment)	Build № (environment)	QA Environment: https://pre1.equilibriu m.net/ESMweb/com.e	QA engineers:	Test performed:	Date:
					2.0.1.3916	2.0.1.3948		Vladimir U	Smoke	28.01.2010

Test ID	Scope	Testing	Method	Expected Results	Result	Result	Defect	Comments
1.00 Smoke test								
1.01	Smoke	Login	1. Click on a link to the application	Un-Authenticated page page with Login is opened	P	P		
1.02	Smoke			Login button is presented and disabled	P	P		
1.03	Smoke			Email Address' and 'Password' fields are clear by default	P	P		
1.04	Smoke		2. Enter valid email into the email field and valid password into the password field and click Login button	Login page is closed	P	P		
1.05	Smoke			Authenticated page is opened configured for user	P	P		
1.06	Smoke	Logout	1. Click Start -> Logout	Un-Authenticated page page with Login is opened	P	P		
1.07	Smoke		2. Log in as another user	Authenticated page is opened configured for user	P	P		
1.08	Smoke		3. Click Start -> Administration link	Administration -> Data Import page is opened	P	P		
1.09	Smoke		4. Click Start -> ECM Workbench link	ECM Workbench window -> My CarbonTrak tab is opened	P	P		
1.11	Smoke	Edit user profile	1. Login and go to Edit profile	The User Name field is disabled	P	P		
1.12	Smoke			Name field is enabled	P	P		
1.13	Smoke			Title field is enabled	P	P		
1.14	Smoke		2. Try to save w/ empty fields	Save succeed.	P	P		
1.15	Smoke		3. Try to save w/ any data in fields.	Save succeed.	P	P		
1.16	Smoke		4. Open the change profile dialog again	The name and title contain new values	P	P		
1.17	Smoke		5. Re-login and then open the Start menu.	The new name is displayed in Start menu after re-login	P	P		
1.18	Smoke	Change password	1. Login and go to Edit profile - Change password	All fields are blank	P	P		
1.19	Smoke			The Submit button should be disabled	P	P		
1.20	Smoke		and new password, confirm. Save	Password has been changed	P	P		
1.21	Smoke			Window with reset password form is closed	P	P		
1.22	Smoke		w/ new credentials	Login succeed w/ new password and denied w/ old one	P	P		
1.23	Smoke	Reset password	login and go to Administration -> Reset Password	All fields are blank	P	P		
1.24	Smoke			The button 'Reset Password' should be disabled	P	P		
1.25	Smoke		2. Enter username, new password, confirm. Save	Password has been changed	P	P		
1.26	Smoke, AT		3. Try to login w/ new credentials	Login succeed w/ new password and denied w/ old one	P	P		
1.27	Smoke	Import Structure	1. Login into the application and import valid file with: Corporate -> Segment -> Business Unit -> Division -> Sub Division -> Location structure	Structure elements are imported.	P	P		
1.28	Smoke		2. Import each kind of emission sources into the system with parent - Location	Elements are imported. Structure is shown in the UI properly	P	P		
1.29	AT		3. Import Mobile emitter and Travel element with parent - Sub Division	Elements are imported. Structure is shown in the UI properly	P	P		
1.30	Smoke	Import Users	1. Import new user into the system and try to login as new user	User is imported successfully. User sees clear desktop on login	P	P		
1.31	Smoke		2. Import new role into the system - the role with only access to the Data Collection module	Role is imported successfully.	P	P		
1.32	Smoke		3. Import new access to the user from step 1. and with the role from step 2. Use corporate ID as resource ID in import file. Try to login as new user after importing	Access is imported successfully. User sees ECM Workbench shortcut only on desktop. User sees only Data Collection tab after clicking on ECM Workbench	P	P		

Сводная информация о результатах прохождения тест-кейсов

Тестовое окружение

Пошаговое описание, подробная инструкция по тестированию

Ожидаемый результат

Результаты прохождения тест-кейса

Тестовое покрытие

Smoke

Test Case

Sellers Users Verify that seller admin can be created

Edit | Comment | Clone | More Actions ▾ | Execute

Description

Click to add description

Test Details

		Test Step	Test Data	Expected Result
	1	Preconditions: there should be a seller company		
	2	Log in as Nexage admin. Go to Sellers. Open the company from preconditions. Click Users button.		Users grid is opened.
	3	Click the New User button		Form for the user creation is opened. The Save button is disabled.
	4	Fill in all the required fields. Click the Save button.	Status = Enabled Role = Admin Username = any valid Password = any valid Email = any valid Phone = 12345 Full Name = John Smith Title = QA Engineer Primary Contact = Yes	The user is created. User appears in the table. All the data in the User Info section gets updated.
	5	Log in as created seller admin		Change Password pop-up appears
	6	Fill in the Current Password (step 4). Fill in new valid password and confirm it. Click Save.		Dashboard page appears.

Add

Примеры тест-трекинговых систем:

- TestRail;
- TestLink;
- Jira+Zephyr;
- Microsoft Test Manager (MTM);
- Excel

TestRail

Используется для управления, отслеживания и для организации управления тестированием. TestRail позволяет организовать тестовые наборы, выполнять тестовые прогоны и отслеживать свои результаты
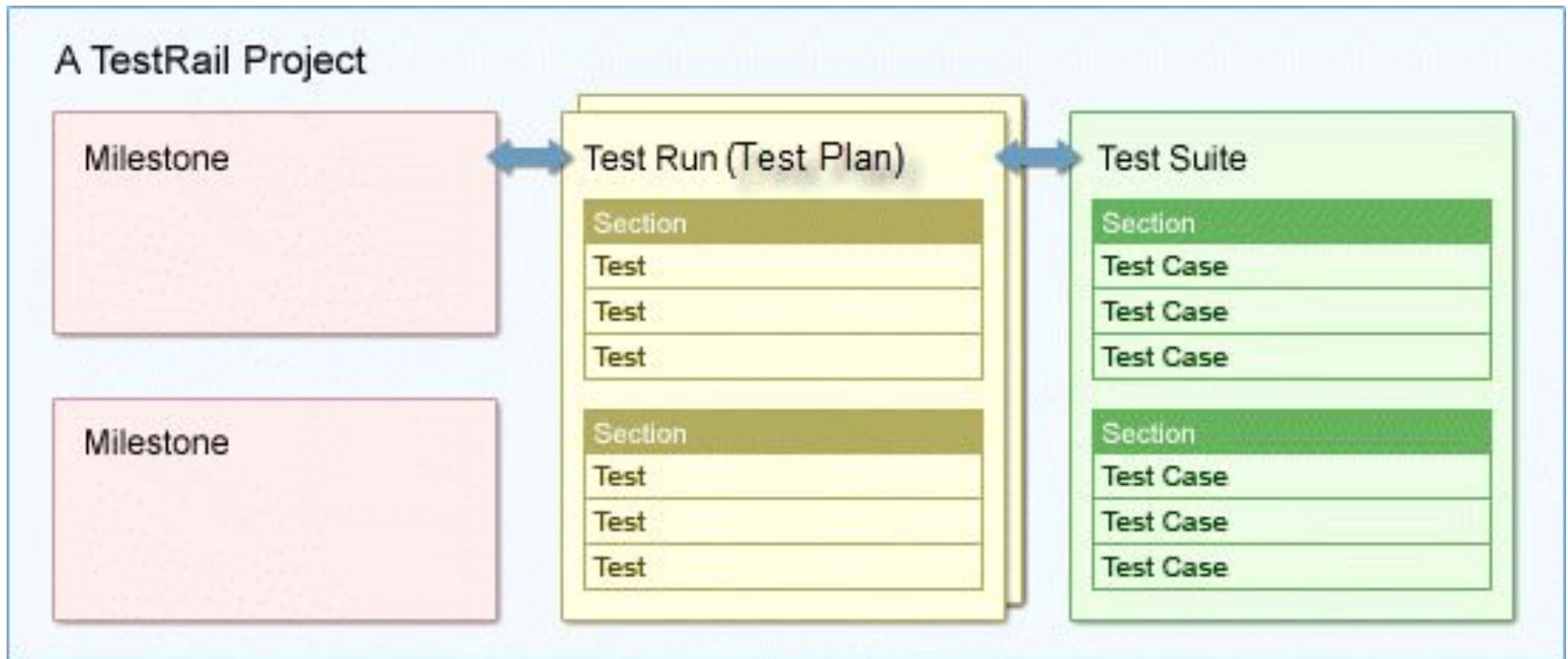
Test Case – сама проверка.

Test Suite – набор структурированных проверок по определённой тематике.

Test Run – набор запущенных проверок, готовых для выполнения.

Test Plan – набор запущенных проверок (test suite), готовых для выполнения и объединённых определённой тематикой **Milestone** – в управлении проектами контрольная точка, значимый, ключевой момент (например, переход на новую стадию, новый этап в ходе выполнения проекта).

Projects – основная организационная единица в TestRail.

TestRail

Критерии выбора тестовой документации

- Стабильность функциональност

- Сложность бизнес логики

- Размер проекта

- Стабильность команды

- Бюджет

- Время разработки проекта

- Желание заказчика

Спасибо за внимание! Жду Ваших вопросов