



Знакомьтесь FitNess!

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Что такое FitNesse?

- FitNesse это WIKI, которая использует FIT
- FitNesse это веб сервер
- FitNesse это инструмент для тестирования приложений

Область применения

- Функциональное
- Регресс, Смоук
- Производительность

А также

- Юнит-тестирование
- Интеграционное
- Cross-System

Инструмент взаимодействий

- Тестеры
- Заказчик
- Разработчики
- Бизнес аналитик

FitNess нагледен!



PatientReviews.SettingsPage.

GetDefaultSettings [add child]

- Test
- Edit
- Properties
- Refactor
- Where Used
- Search
- Files
- Versions
- Recent Changes
- User Guide
- Test History

► [Set Up: .PatientReviews.SettingsPage.SetUp \(edit\)](#)

[Expand All](#) | [Collapse All](#)

MEMBER HAS REVIEW FEATURE IS TURNED ON

MEMBER HAS NOT SET ANY CHANGES ON SETTINGS YET

GET "SELECT THE REVIEW RATINGS YOU WANT SESAME TO AUTOMATICALLY PUBLISH" VALUE

GetSetSettings	
token	get Automatically Publish Ratings Value?
\$authToken	None

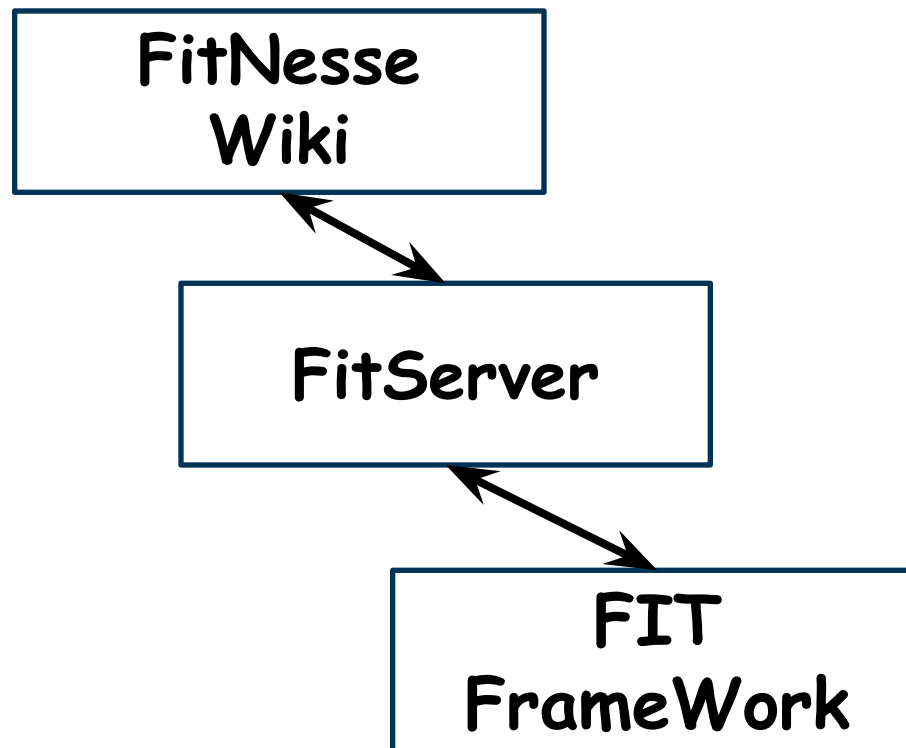
GET "SELECT WHEN PATIENT REVIEWS SHOULD BE AUTOMATICALLY PUBLISHED" VALUE

GetSetSettings	
token	get When Automatically Publish Value?
\$authToken	Never

GET "SESAME HAS MY PERMISSION TO AUTOMATICALLY MARK REVIEWS WITH 'BAD WORDS' VALUE

GetSetSettings	
token	get Bad Words setting Value?
\$authToken	Yes

Простая схема работы





Suite

Edit

Properties

Refactor

Where Used

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Recent Changes

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Test History

SendingReminders [add child]

Contents:

- [TestsConfirmationDependenceSending](#)
- [TestsForCheckSchedulingAndTime2Send](#)
- [TestsForEmailRemindersSending](#)
- [TestsForSmsRemindersSending](#)
- [TestsForVoiceRemindersSending](#)

[Front Page](#) | [User Guide](#)
[root](#) (for global !path's, etc.)

Платформы

- Java
- .NET
- C++
- Delphi
- Python
- Ruby
- Smalltalk
- Perl



Как это работает?
К примерам!

> #

0 fixture

- Column Fixture
- Row Fixture

Пример с Column Fixture

- Используется для проверки конкретного еденичного значения
- True /false
- Точное ожидаемое значение

Создаем таблицу

```
!| info.fitnesses.fixturegallery.ColumnFixtureTest |  
| firstPart | secondPart | together? | totalLength? |  
| Hello | World | Hello, World | 10 |  
| Houston | We Have a Problem | Houston, We Have a  
Problem | 24 |
```

Все не так сложно



SimpleTest [\[add child\]](#)

Test

Edit

Properties

Refactor

Where Used

info.fitness.fixturegallery.ColumnFixtureTest

firstPart	secondPart	together?	totalLength?
Hello	World	Hello, World	10
Houston	We Have a Problem	Houston, We Have a Problem	24

Успешный тест

info.fitness.fixturegallery.ColumnFixtureTest

firstPart	secondPart	together?	totalLength?
Hello	World	Hello, World	10
Houston	We Have a Problem	Houston, We Have a Problem	24

Неуспешный тест

info.fitness.fixturegallery.ColumnFixtureTest

firstPart	secondPart	together?	totalLength?
Hello	World	Hello, World	10
Houston	We Have a Problem	[Houston, We Have a Problem] expected [Houston, We Have Problem]	[24] expected [30]

Код fixture

```
package info.fitnessse.fixturegallery;

import fit.ColumnFixture;

public class ColumnFixtureTest extends ColumnFixture {
    public String firstPart;
    public String secondPart;
    private int length;
    public String together() {
        length=firstPart.length()+secondPart.length();
        return firstPart+ ", "+secondPart;
    }
    public int totalLength() {
        return length;
    }
}
```

Пример с Row Fixture

- Используется для проверки массива данных

Табличное представление



SimpleTest2 [add child]

Test	info.fitnessse.fixturegallery.RowFixtureTest	
Edit	fname	lname
Properties	Anton	Kulikov
Refactor	Vasya	Pupkin

Простой класс

```
package info.fitnessse.fixturegallery;
import java.util.ArrayList;
import java.util.List;

public class Person{
    public String fname;
    public String lname;

    public Person(){
    }
    public Person (String fname, String lname) {
        this.fname = fname;
        this.lname = lname;
    }

    public static List<Person> persons=new ArrayList<Person>();
    public static void addPerson(String fname, String lname){
        persons.add(new Person(fname, lname));
    }
}
```

Код самой fixture

```
package info.fitnessse.fixturegallery;

import fit.RowFixture;

public class RowFixtureTest extends RowFixture {
    public Class<?> getTargetClass() {
        return Person.class;
    }
    public Object[] query() throws Exception{
        Person.addPerson("Anton", "Kulikov");
        Person.addPerson("Andrey", "Genievskiy");
        return Person.persons.toArray();
    }
}
```

Результат выполнения

SimpleTest2

TEST RESULTS [\[history\]](#)

Assertions: 2 right, 2 wrong, 0 ignored, 0 exceptions

info.fitness.fixturegallery.RowFixtureTest

fname

lname

Anton

Kulikov

Vasya *missing*

Pupkin

Andrey *surplus*

Genievskiy

Пример из жизни

- Тестирование Веб-Сервисов
- Оформление теста

Страница теста в wiki



PatientReviews. DoNotPublishReviews.

GetDoNotPublishReview

TEST RESULTS [\[history\]](#)

 [Output](#)
[Captured](#)

Test: **Assertions: 64 right, 0 wrong, 0 ignored, 0 exceptions**

▶ [Set Up: .PatientReviews.DoNotPublishReviews.SetUp \(edit\)](#) [Expand All](#) | [Collapse All](#)

MEMBER HAS REVIEWS FEATURE

ONLY ONE (FIRST OFFICE) OFFICE ENABLED FOR REVIEW

MEMBER ENABLED AND SET FOLLOW SETTINGS:

▶ [Set settings section](#) [Expand All](#) | [Collapse All](#)

FOLLOW REVIEWS SUBMITTED BY PATIENTS

▶ [Fill DB with reviews](#) [Expand All](#) | [Collapse All](#)

CALL SERVICE GETREVIEWS[?] AND CHECK RESPONSE RESULTS

Query: Get Reviews	SauthToken->[s7c8tKuNa8wJ5RKnyWcNw==]	do not publish				
Title	Comment	Rating	State	Office Name	Category	isFeatured
Good dentist	Thank you	4	do not publish	First Office	None	false
Ftitle15	comment15	3	do not publish	Second Office	None	false

▶ [Tear Down: .PatientReviews.DoNotPublishReviews.TearDown \(edit\)](#) [Expand All](#) | [Collapse All](#)

Fixture

```
// -----Constructors-----
public GetReviews(String token, String which) {}
// -----

public void setToken(String token) {}
public void setWhich(String which) {}
public void setSortBy(String sortBy) {}
public void setOffset(Integer offset) {}
public void setLength(Integer length) {}

private List<Object> list(Object... objects) {}

private String getLocationNameByOfficeId(Long off_id) {}

private String getCategoryNameById(Byte categoryId) throws InvalidTokenException {}

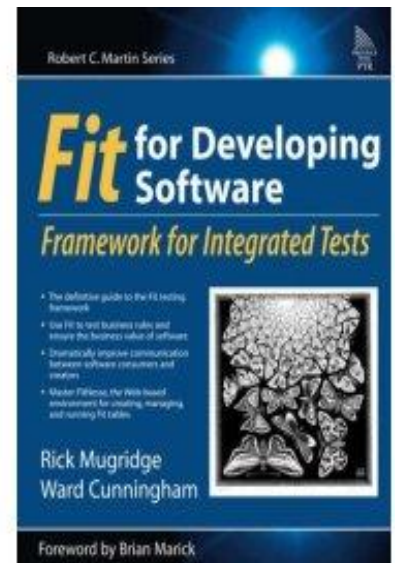
public List<Object> query() throws InvalidTokenException {
    List<Object> table = new ArrayList<Object>();
    ReviewsResult reviewsResult = reviewsWS.getReviews(token, which, sortBy, offset, length);
    List<Review> responseReviews = reviewsResult.getReview();
    for (int i = 0; i < responseReviews.size(); i++) {
        Review responseReview = responseReviews.get(i);
        List<Object> row = new ArrayList<Object>();
        row.add(list("Title", responseReview.getTitle()));
        row.add(list("Comment", responseReview.getComment()));
        row.add(list("Rating", responseReview.getRating()));
        row.add(list("State", responseReview.getState()));
        row.add(list("Office Name", getLocationNameByOfficeId(responseReview.getOfficeID())));
        row.add(list("Category", getCategoryNameById(responseReview.getCategoryID())));
        row.add(list("isFeatured", responseReview.isFeatured()));
        table.add(row);
    }
    return table;
}
```


Ресурсы

- Сайт FitNesse homepage
 - <http://fitnesse.org/>

- FitNesse Yahoo Group
 - <http://tech.groups.yahoo.com/group/fitnesse/>

- Книга Fit for Developing Software:
Framework for Integrated Tests
 - Robert C. Martin Series





Спасибо за внимание!
Ваши вопросы?

> #