

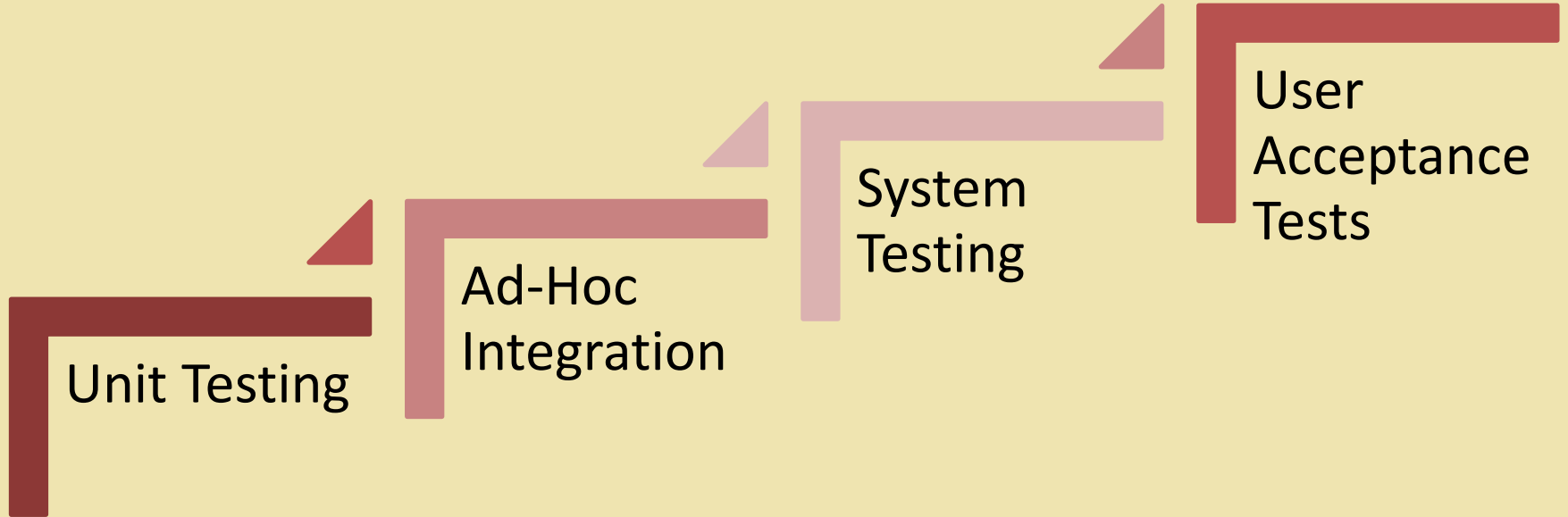
— Best —

Curry Wurst

at FIN

Test Case Design

Testing - Overview



White-Box Testing

- Performed by team
- Every team member tested “unknown” unit
- Results documented
- Found bugs summarized and eliminated



LogActivity.java x

```
233     if (convertedEndDate.after(convertedStartDate)) {
234         new DatabaseAsyncInsertLoggedActivity().execute();
235         Toast.makeText(getApplicationContext(), text: "Saved", Toast.LENGTH_LONG).show();
236     } else {
237         Toast.makeText(context: LogActivity.this, text: "Chosen end date is earlier than start date. Please adjust.", Toast.LENGTH_LONG).show();
238     }
239
240
```



Scenario 1		
convertedStartDate	convertedEndDate	Path (line numbers)
2018-07-02 08:00	2018-07-02 08:30	233->234->235

LogActivity.java x

```
233     if (convertedEndDate.after(convertedStartDate)) {
234         new DatabaseAsyncInsertLoggedActivity().execute();
235         Toast.makeText(getApplicationContext(), text: "Saved", Toast.LENGTH_LONG).show();
236     } else {
237         Toast.makeText(context: LogActivity.this, text: "Chosen end date is earlier than start date. Please adjust.", Toast.LENGTH_LONG).show();
238     }
239
240
```



Scenario 2		
convertedStartDate	convertedEndDate	Path (line numbers)
2018-07-02 08:00	2018-07-02 07:30	233->236->237->238

Black-Box Testing

- Two test subjects
- Both apply to our persona „Student“



Johannes – DE Student



Black Box Testing							
Test Case ID	Test Scenario	Steps Executed	Expected Result	Data Value 1	Test Result 1	Data Value 2	Test Value 2
1	Add a category	1. Open App and click on menu drawer 2. Select Settings 3. Select Categories 4. Enter Category name and select category color 5. Select parent category(optional) 6. Click save button	1. Saved message appears on click of save button 2. Warning message appear if category name exists	Category name: Exams Category color: #FFFFFF Parent Category: University	'Saved' message is displayed	Category name: Sport Category color: #FFFFFF Parent Category:	'Category name Sport exists' message is displayed
2	Log an activity	1. Open App and click on menu drawer 2. Select Log Activity 3. Select Category and enter all details 4. Click save button	1. Saved message is displayed and user is sent to Home Screen. 2. Warning message is displayed if mandatory fields are empty	Category: Sport Activity: Football StartDate: 2018-06-30 08:00 EndDate: 2018-06-30 09:00	'Saved' message is displayed and User redirected to Home Screen	Category: Sport Activity: StartDate: 2018-06-30 08:00 EndDate: 2018-06-30 09:00	'Fields cannot be blank' message displayed
3	Enable PIN	1. Open App and click on menu drawer 2. Select Settings 3. Select PIN 4. Toggle Enable PIN switch to ON 5. Provide PIN in two fields 6. Click OK button	1. Enable PIN is toggled to ON on successful PIN set 2. Warning message is displayed if PIN doesn't match confirm PIN	Specify PIN: 1234 Confirm PIN: 1234	Enable PIN switch toggled to ON	Specify PIN: 1234 Confirm PIN: 1111	'The two PINs do not match' message is displayed
4	Review the activities added	1. Open App and click on menu drawer 2. Select Review 3. Select Category or Date 4. Click search button	1. All activities under the selected category are fetched 2. All activities between the dates selected are fetched	Category: Sport, University	All activities from Sport and University are fetched	StartDate: 2018-06-24 08:00 EndDate: 2018-06-30 08:00	All activities between these dates are fetched
5	Log efforts for Scheduled Activity	1. Open App and click on menu drawer 2. Select Scheduled Activities 3. Click on activity to log effort and enter efforts 4. Click search button	1. Logged efforts displayed on the activity display line 2. On logging efforts equal to target duration, activity will not show on display line	Target duration: 5 hours Logged efforts: 2 hours	Display line: 2/5 hours	Target duration: 1 hour Logged efforts: 1 hour	Activity no longer available on display line

Black-Box Testing

- Collected test feedback
- Resolved bugs

➡ Happy User



Changes

- Subcategories
- Black-Box tester's feedback



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Thank you for your attention!