

Emerald: Guideline Checking Tool

Information Architecture and Web Usability 2022/2023

Group 2:

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Agenda

- about Emerald
- similar tools
- main features
- screens overview

Emerald

- guideline checking tool
 - generally:
 - defined set of guidelines
 - possibility to evaluate a guideline in different ways (binary, by leaving comments, point based, etc)
 - Emerald-specific:
 - guidelines -> criteria
 - criteria grouped in scripts
 - scripts grouped in projects
 - ternary criterion evaluation system (passed/failed/unreviewed)

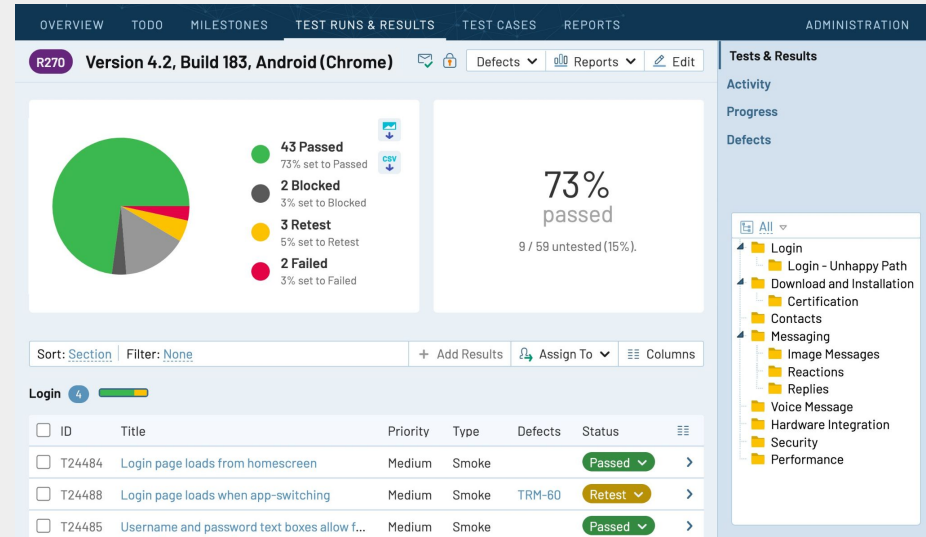
Similar Tools

- *Test Rail*

- web-based test management tool
- QA based tasks
- for automated and manual testing
- Jira plugin

- *Tricentis*

- management software for automated tests
- for DevOps
- Atlassian tool



Similar Tools (main inspiration): *Testpad*

The screenshot shows the Testpad application interface. At the top, there is a navigation bar with 'TESTPAD', 'SCRIPT', 'EDIT', and 'REPORTING' tabs. A 'saved' button and user information 'huseinc4@gmail.com | Husein's Team' are also visible. Below the navigation bar, there is a progress indicator showing '2/10 (20%)' with a green and red bar. The main content area displays a test suite titled 'End to End'. A table lists test cases with their results:

number	tester	date	time	tag	filter	build	status
0001	Initial Application						
0002	Login						✗
0003	Register						✓
0004	Dashboard						
0005	Something						
0006	Something else						
0007							

At the bottom of the interface, there is a footer with navigation options: 'Close All', '1', '2', '3', '4', '5', '6', 'Expand All', 'Interesting', 'Untested', 'Highlight: Queries', 'Blocked', 'Failed', and a page indicator '4 / 11'.

Main Features

- three different roles: admin, project owner and reviewer

Admin

- account management

Project Owner

- review management
- reviewer assignment
- progress monitoring
- review results access (individual and overall)
- review monitoring through time (e.g. monthly statistics)
- creation of reviewer's account

Reviewer

- performing evaluations

Common Screens Overview

Login

EMERALD

Username

Password

Login

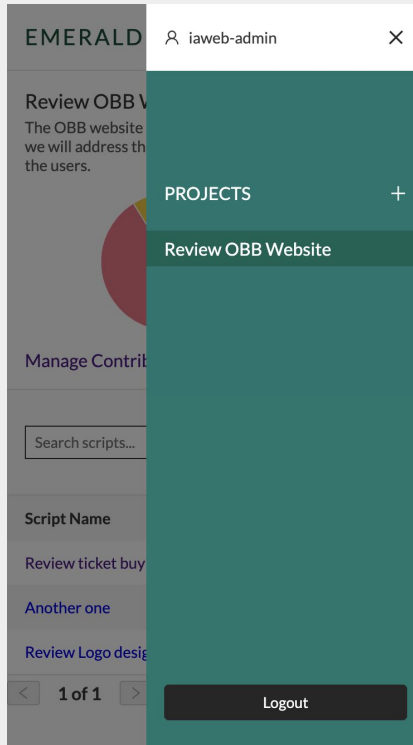
EMERALD

Username

Password

Login

Mobile Sidebar



Admin/PO Screens Overview

Project Dashboard

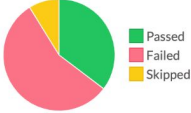
EMERALD iaweb-admin

PROJECTS +

Review OBB Website

Review OBB Website

The OBB website design is outdated. With this project we will address the issues and complaints we got from the users.



[Manage Contributors](#)

Search scripts...

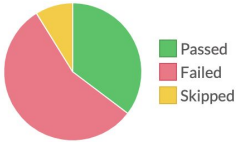
Script Name	Passed	Failed	Skipped	
Review ticket buying system	0	0	5	<input type="checkbox"/>
Another one	0	0	1	<input type="checkbox"/>
Review Logo design	0	2	0	<input type="checkbox"/>

< 1 of 1 >

EMERALD ☰

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[Manage Contributors](#)

Search scripts...

Script Name	P	F	S	
Review ticket buying system	0	0	5	<input type="checkbox"/>
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< 1 of 1 >

Script

EMERALD iaweb-admin

Review Logo design

[Manage Contributors](#)

Search criteria...

Reviews ∨ 1 of 1 ^	Reviews < 1 of 1 >	
Description	review_by_john_doe	review_by_jane_doe
Check size	✓	✓
Check contrast for accessibility	✗	✗
Check colour schema		✗

EMERALD ☰

Review Logo design


[Manage Contributors](#)

Search criteria...


Reviews ∨ 1 of 1 ^	Reviews < 1 of 1 >	
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Check size	✓	✓
Check contrast for accessibility	✗	✗
Check colour schema		✗

Contributors Managing

The desktop view of the EMERALD Contributors management interface features a teal sidebar on the left. The sidebar contains the text "EMERALD Contributors" at the top, followed by "PROJECTS" with a plus sign, and "Review OBB Website" below it. At the bottom of the sidebar is a "Logout" button. The main content area is titled "Contributors" and contains a table with one row. The table has a header row with a plus sign and the word "Contributor". The data row contains the text "iaweb-admin" and "ADMIN", with a trash icon on the right side of the row. The top right of the page shows the user "iaweb-admin" and a search icon.

Contributors	
+ Contributor	
iaweb-admin	ADMIN 

The mobile view of the EMERALD Contributors management interface has a white header with "EMERALD" and a hamburger menu icon. Below the header is the title "Contributors" and a dark bar with a plus sign and the word "Contributor". The main content area shows a table with one row. The table has two columns: "iaweb-admin" and "ADMIN", with a trash icon on the right side of the row.

Contributors	
+ Contributor	
iaweb-admin	ADMIN 

Contributor Creation

EMERALD iaweb-admin

PROJECTS +

Review OBB Website

Create new a new contributor

Username

Password

Repeat password

Role

Project owner

Create

Logout

EMERALD ☰

Create new a new contributor

Username

Password

Repeat password

Role

Project owner

Create

Contributor Assignment

EMERALD iaweb-admin 🔍

PROJECTS +

Review OBB Website


Add a contributor to this project

User
iaweb-admin

Role

Reviewer

Assign

 Logout

EMERALD ☰

Add a contributor to this project

User
iaweb-admin

Role

Reviewer

Assign

Reviewer Screens Overview

Project Dashboard


EMERALD iaweb-reviewer 🔍

PROJECTS

Review OBB Website

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Passed	Failed	Skipped
--------	--------	---------

Script Name	Passed	Failed	Skipped	
Review ticket buying system	0	0	5	<input type="checkbox"/>
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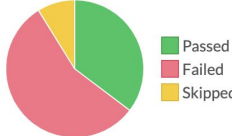
< 1 of 1 >

Logout

EMERALD ☰

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Passed	Failed	Skipped
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< 1 of 1 >

Script

EMERALD iaweb-reviewer

Review Logo design

PROJECTS
Review OBB Website

Search criteria...

Reviews ∨ 1 of 1 ^	Reviews < 1 of 1 >	
Description	Review_1	Review_2
Check size	✓	✓
Check contrast for accessibility	✗	✗
Check colour schema		✗

EMERALD ☰

Review Logo design

Search criteria...

Reviews ∨ 1 of 1 ^	Reviews < 1 of 1 >	
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Check size	✓	✓
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Check colour schema		✗

Current Application State

Demo: emerald-hcausevic.vercel.app

Future Work

- other criterion evaluation systems (e.g. point based)
- database model reevaluation
- error handling across the app
- better table interactivity (e.g. sorting, advanced filtering)
- keyboard support
- collapsable criteria groups
- prioritization
- password changing
- roles alternation