Checklist: How to Generate Test Ideas in Agile Environment

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HOW to trigger testing?

- Thoughts
- Discussion
- Actions

Thanks to!

- SMARTBEAR
- Ministry of Testing

AGENDA

- Testing the software
- Play with data
- Testing workflows
- Resources

Testing the software::bugs from the past

- Context::feature or function or something else?
- where::JIRA or tool or notebook or memory
- example::Google analytics::user id_a or id_b

Testing the software::DeVeloper habits

- example::Does not check complex raw SQL query

Testing the software::similar apps

- example::Ruby on Rails Cross Site Scripting (XSS) protection

Testing the software::heuristics

- A failable approach to: problem solving, discovery and learning
- Tell me what is software testing?
- Example::input field::unique name::use ŠĐČĆŽšđčćž

Testing the software::RISKS

- Possible problem in application
- Example::currency value::three decimal points::total sum

Testing the software::mandatory/not mandatory

- Example::register user::without gui::using postman::mandatory data set and whole data set

Testing the software::CONFUSE THE APP

- Example::Confuse the cat
- Go to 65 sec.

Testing the software::delete something

- Example::delete your user in jira::open issue created by you

Testing the software::delete/USe something

- Example::delete your user in github::create user with same username

Testing the software::FUNNY APP

- Example::user received this email
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| ☐ ☆ ☐ | **Ekaterina** | **hi** - Hi karlo.smid, My name is Ekaterina and i'm writing you to tell you that you are super cute from your photos on Facebook. I myself am from Russia, but now I live in the USA. I want to g | **Jan 30** |

Testing the software::app users

- Example::13 -15 years US kids::username::Ben 💔🖤💕🖤🤍💘
- A.k.a Personas

Testing the software::RULEs

- Example::if account number starts with 9 then accountType is always admin

Testing the software::COMMUNICATION

- Example::Google analytics integration::check analytics api docs

Testing the software::FAILURE

- This is first what tester tries
- Example::Open google docs link in incognito window

Testing the software::handle FAILURE

- This is first what tester tries
- Example::Open google docs link in incognito window
- What we expect to happen on known failures?
- Describe failure (rimgea bug report)

Testing the software::Claims

- Example::F.A.Q user can update youtube link::no he does not!

Testing the software::NOTES

- Example::Use any notebook and quality pen and write down your testing session!

Testing the software::New stuff?

- Example::user todo list new item

Testing the software::Lose app stuff

- Example::delete user project deletes all user projects

Testing the software::test environments

- Example::delete user project deletes all user projects::test it on production

Testing the software::EXPLORE!

- Example::claim tour::check that app F.A.Q is not F.U.C.K

PLAY WITH DATA::IN::OUT::BOUNDARIES!

- Example::text input::counterstrings [BACH]
- Manipulate input::for output boundaries
- https://www.tentamen.hr/tools/new

PLAY WITH DATA::INPUT::OUTPUT::TYPES!

- Example::you already have done that

PLAY WITH DATA::VALID::INVALID::INPUT!

- Example::invalid youtube url

PLAY WITH DATA::EXTREME::INPUT!

- Example:: 1E-999999999999

PLAY WITH DATA::DEFAULT::INPUT!

- Example:: check values of not mandatory fields after send

PLAY WITH DATA::WHERE DOES DATA GO!

- Example:: credit card number::database or external system?

PLAY WITH DATA::OBVIOUS::OUTPUT

- Example:: today's date

PLAY WITH DATA::LOG STORY

- Example::match form submission data with log entry::
  1on1?

PLAY WITH DATA::PRINT

- Example::print is just another display of data::💪

PLAY WITH DATA::OVERFLOW

- Example::calaculation::display

PLAY WITH DATA::STRESS

- Example::save scenario http requests, replay it using blitzy
- Ask for developer help
- Responsible for scenarios

PLAY WITH DATA::LOGIC

- Example::teacher or student::form changes!::user checks item but Google Analytics event is named uncheck

PLAY WITH DATA::PROGRAMMING LANGUAGE

- Example::use keyword as form input::data type boundaries JavaScript vs Ruby

PLAY WITH DATA::copy/paste

- Example::plain copy/paste triggered error while bug magnet string generation did not

PLAY WITH DATA::shortcuts

- Example::keyboard shortcuts vs menu selection

Testing Application workflows::break it

- Example::enter password => enter username => submit

Testing Application workflows::first timer

- Example::fresh database

Testing Application workflows::repeat

- Example:: login => login => login => login => login => login

Testing Application workflows::browser back/fwd

- Example:: create jira issue => hit back => create jira issue => back => forward

Testing Application workflows::up/down/left/right

- Example:: using TAB or mouse do does actions through workflow

Testing Application workflows::fast/slow

- Example:: selenium automation for fast or be lazy for slow

Testing Application workflows::consistent/brief

- Example:: enter all data vs mandatory data

Testing Application workflows::stupid/smart

- Example:: enter data as not expert vs domain expert

Testing Application workflows::misbehave

- Example:: do not do what developer told you to do

Testing Application workflows::time it

- Example:: use stopwatch

Testing Application workflows::Take a break

- Example:: walk from your keyboard during the workflow

Testing Application workflows::input device

- Example:: keyboard, mouse, trackpad

Testing Application workflows::long/short route

- Example:: create lesson has two paths

Testing Application workflows::wrong order

- Example:: facebook => create ad => enter credit card info

Testing Application workflows::complicate

- Example:: insert youtube => from url => not start of video

RESOURCES

- [Test Heuristics Cheat Sheet Data Type Attacks & Web Tests](#) [Test Obsessed]
- [Heuristic Test Strategy Model](#) [Bach]
- [Software Quality Characteristics Poster](#) [Stevenson]
- [How to generate test ideas](#) [SmartBear, Ministry of Testing]