Test Bash Brighton 2019

Andy Carrington-Chappell's Notes

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Cross Team Pair Testing

This is a great way to learn new testing skills and improve your craft. Some of the kay points for pair testing are:

- Keep notes together, don't make notes on your own during the process
- Use strong pairing (nothing happens on the keyboard without the non-driving parties say so)
- Talk out your thoughts, vocalise the entire process, it will take some getting used to
- If you are using this for learning, then accept that your pair partner is there to also keep you accountable.

Twitter accounts to follow for this topic:

- @lisacrispin
- @salfreudenberg
- @maaretp
- @lisihocke (talk presenter) – www.lisihocke.com

United by Security

Key points to research / consider:

- STRIDE threat model
- Pen testers often don't have time to carry out the full analysis and the discovery, you can help by learning the execution so the SME can focus on the analysis
- Engage pen testers early, security testing like all testing should be shifted left as far as possible. They can start threat modelling early
- Review past pen test reports
- Abuse Cases
  - Similar to user stories
  - They are formed as "As an attacker I want to....."
  - Workshop out the cases to ensure relevant and full
- You can use the TestSphere deck to do the risk/threat modelling
- What about Mob Hacking ☺
- Look at
  - OWASP
  - BSIDES
  - MCR Grey Hats

Twitter accounts to follow for this topic:

- @clairereckless
- @jayharris_sec (@di_security)

Testing Culture

Key points to consider:

- Be champions of the business, not just the users but what are the business needs and goals, how are you supporting these
- Communicate during all phases of testing, we are the drivers of this communication, don't wait to be asked

- Be more technical, you will not progress that far without some form of technical knowledge. Get some code basics but remember tech skills isn't just coding
- Spread testing across the entire team, not just to testers, improve the mindfulness of testing in the non-tester
- Live & breathe testing, if you want to be a great testers and have a test career, you need to live it!
- Lean thinking and theory of constraints
- Make advocates for testing within the business, use your influence to gather good business level influencers as advocates for testing
- Know your business, not just the things you are testing but what do they do, why, how?
- Embed testers, they are part of the delivery team
- Make time for skills improvement, 20% of a persons time each week is ideal, but even a couple of hours focused is great. But the individual must be accountable for that time and learning outcomes
- Learn about people – you'll need influence (social engineering?)

Twitter accounts to follow for this topic:

- @ajimhomes

Owning Your Craft

Twitter accounts to follow for this topic:

- @mikesmith_sh

Communities At Scale

Make a community within your organisation. This can be great to pull together and learn. Things to consider when doing this:

- Be careful of timezones in large companies, will everyone be available for the meetup
- Try and ensure face to face as much as possible
- Get a good space to meet in
- Make sure there is more than one organiser, it's a big job
- Try to make it community led, they drive their own community, you just facilitate
- Talk about it publically and publicise
- Implement a mentor scheme within the community

Ways to succeed:

- When hiring ensure that you are finding the right people, those that are engaged in the concept of communities
- If people don't want to be part of it then leave them alone, it's not compulsory
- Have a purpose, why are you forming the community (mission statement)
- Build a brand, adverts, graphics, logos, stickers
- It must be fun!
- Comms, how will the community keep in touch, slack, skype etc.
- Always be non-judgemental and open and honest

Activities for the community meet ups:

- TestSphere
- Game sessions / nights
- Breakfast meetings
- Social events
- Test Dojos
- QA Review (annual "state of the nation" meeting) – face to face always!

Twitter accounts to follow for this topic:

- @strydom_lindsey
- @9waterhouse85

Continuous Performance Testing

Use JMeter !!

Twitter accounts to follow for this topic:

- @ericproegler

Benefits of Other Disciplines

Some ideas:

- Pairing
- Checklists
- Mobbing
- Bug Bash
- Report Errors
    - No blame
    - Correct errors quickly
- Blameless culture
- Culture of questioning
- Personas
- Analytics helps support "what does good look like".

Twitter accounts to follow for this topic:

- @conorfi