

Mind mappen en testen

Mind your own (test) business

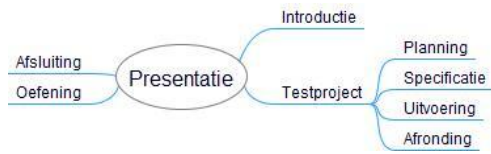
Introductie

- ▶ Ir. Han Toan Lim
- ▶ Testcoördinator
- ▶ Sinds 1996 bezig met testen
- ▶ Ex bestuurslid TestNet
- ▶ Ex bestuurslid Belgium and Netherlands Testing Qualifications Board (BNTQB)
- ▶ Sinds 2008 bezig met mind mappen



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Overzicht



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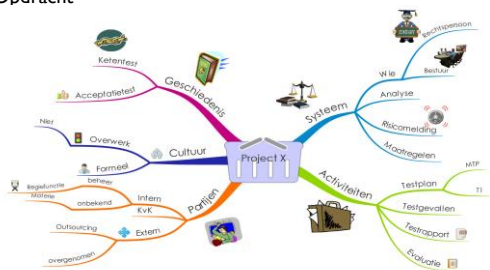
Doel

- ▶ Aantonen, dat mind mapping nuttig is voor testen
- ▶ Tools voor de workshop:
 - ▶ Papier
 - ▶ Stiften

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Planning - start


▶ **Opdracht**



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Planning - focus

▶ **Teststrategie**



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Planning - hoe

► Rol

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Specificatie - kennis

► Structuur

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Specificatie - user stories

► Rol

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Specificatie - testgeval

► Logisch en fysiek

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Specificatie - testgeval

► Uitgebreide versie

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Specificatie - samenwerking

► Stakeholder analyse

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Uitvoering - overzicht

► Actiepunten

A mind map centered on 'TODO Project X'. The main branches include:

- Testomgeving (Test environment)
 - Automatische (Automatic)
 - Unit box
 - Sharepoint
 - Project
 - Test data
 - Database
 - Query tool
 - Programma (Program)
 - Regelmatig (Regularly)
 - Yastippen (Annotations)
 - Test tool
 - Instabiele testomgeving (Stable test environment)
 - Exception report
- Eindrapport (Final report)
 - Template
 - MTP
 - Testplan
 - Usability
 - Verwijzing (Reference)
 - Milly
 - Ph
 - Ondersteuning (Support)
- Antwoorden (Answers)
 - Wachten (Waiting)
 - Doag

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Uitvoering - defect

► Analyse probleem

A linear flowchart with three boxes: 'Bronstelsysteem' (Source system) → 'Transformatie' (Transformation) → 'Doelsysteem' (Target system).

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Afronding - Lessons learned

► Ishikawa diagram

An Ishikawa (fishbone) diagram with 'Slechte kwaliteit' (Poor quality) in a green box at the center. The main branches are:

- Product = service
- Place
- People
- Physical evidence
- Price
- Promotion
- Process
- Productivity and quality

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Afronding - Lessons learned

► Ishikawa diagram and 5Ws (Why's)

An Ishikawa diagram with 'Productivity and quality' at the head and 'Gemiste bugs' (Missed bugs) at the main branch. Sub-causes include:

- Weinig uitgevoerde Testgevallen (Few test cases executed)
- Weinig tijd voor testuitvoering (Little time for test execution)
- Instabiele testomgeving (Unstable test environment)
 - 1 testomgeving (1 test environment)
 - Delen met andere teams (Share with other teams)
 - Slechte versie (Bad version)
- Soortbrede testomgeving (Broad test environment)

NB opgevoeven voor leesbaarheid (NB: Adjust for readability)

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Afronding - Heden

► Current reality tree (thinking process)

A Current Reality Tree diagram showing a chain of Undesired Effects (UDEs). On the left, 'Oorzaak1' (Cause 1) leads to 'UDE1', 'UDE2', and 'UDE3'. 'Oorzaak2' (Cause 2) leads to 'UDE3'. On the right, 'UDE1' leads to 'UDE2', which leads to 'UDE3', which is caused by 'Oorzaak1' and 'Oorzaak2'.

UDE = Undesired Effect

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Afronding - kennisborging

► Kennismanagement

An illustration of a human brain inside a blue square, with a lightning bolt striking a cloud below it. The text 'Brainstorm' is written below the image.

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Oefening

- ▶ Loyalty program voor een e-book web site



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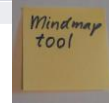
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Tools

- ▶ PC

Tool	Web site
Freemind	http://freemind.sourceforge.net/
Emindmaps	http://www.lerarentools.be/V1/index.php?page=detail&record=172
iMindMap	www.thinkbuzan.com
Mindmanager	www.mindjet.com

- ▶ Mobile
App Store, Google play, ...



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Boeken

- ▶ **Mindmappen**
 - ▶ Mindmappen - Voor een beter geheugen en creatiever denken; Tony & Barry Buzan
 - ▶ Mindmaps for business; Tony Buzan
- ▶ **Theory of Constraints**
 - ▶ The Goal; Eliyahu Goldratt & Jef Cox (Ketenoptimalisatie)
 - ▶ It's not luck; Eliyahu Goldratt (Thinking processes)



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Tot slot

- ▶ Dank u voor de aandacht
- ▶ E-mail mindful.tester@iae.nl



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