



Mind Maps

An agile way of working

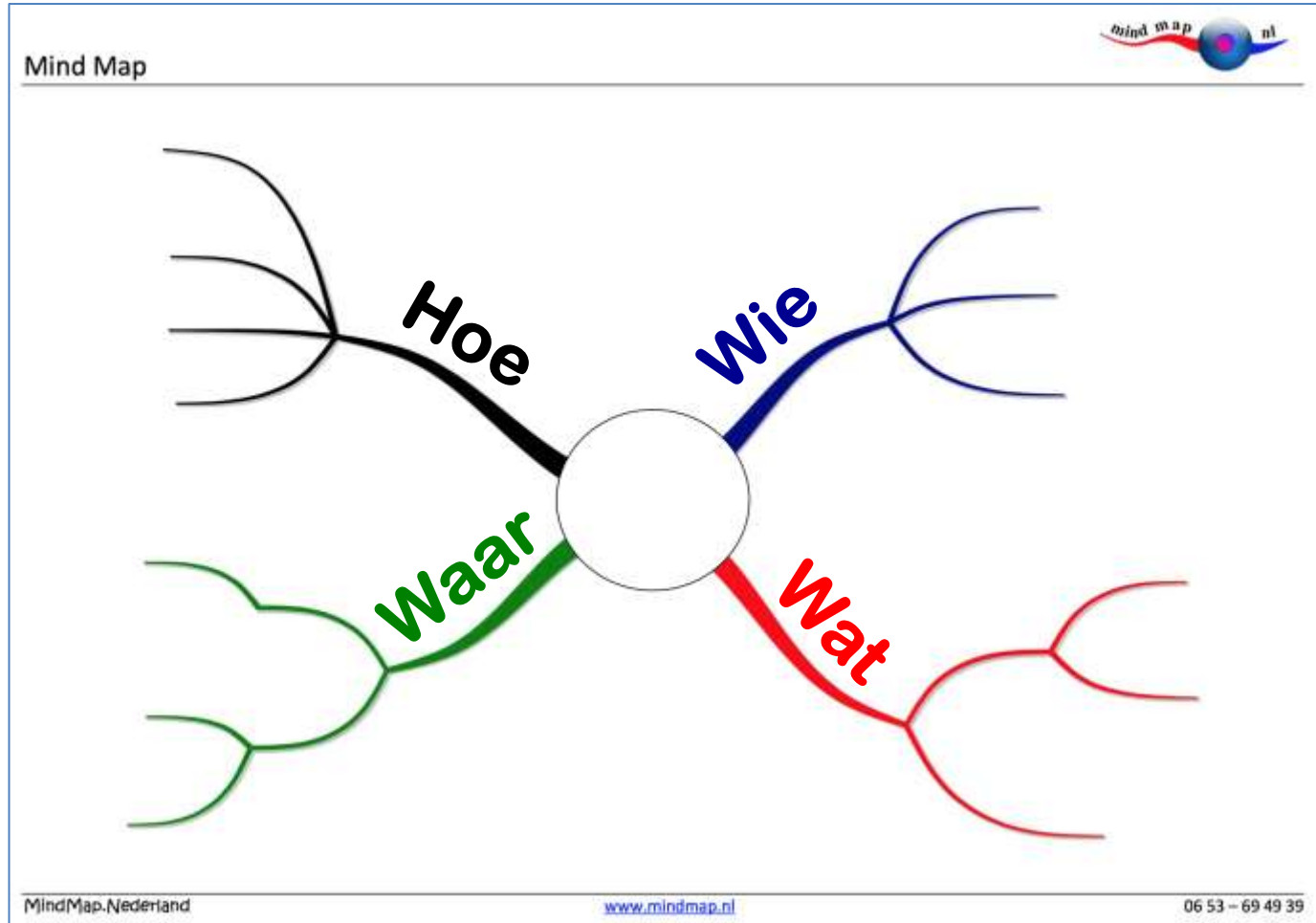
**Huib Schoots
Jean-Paul Varwijk**

TestNet najaarsevenement 2012

Programma

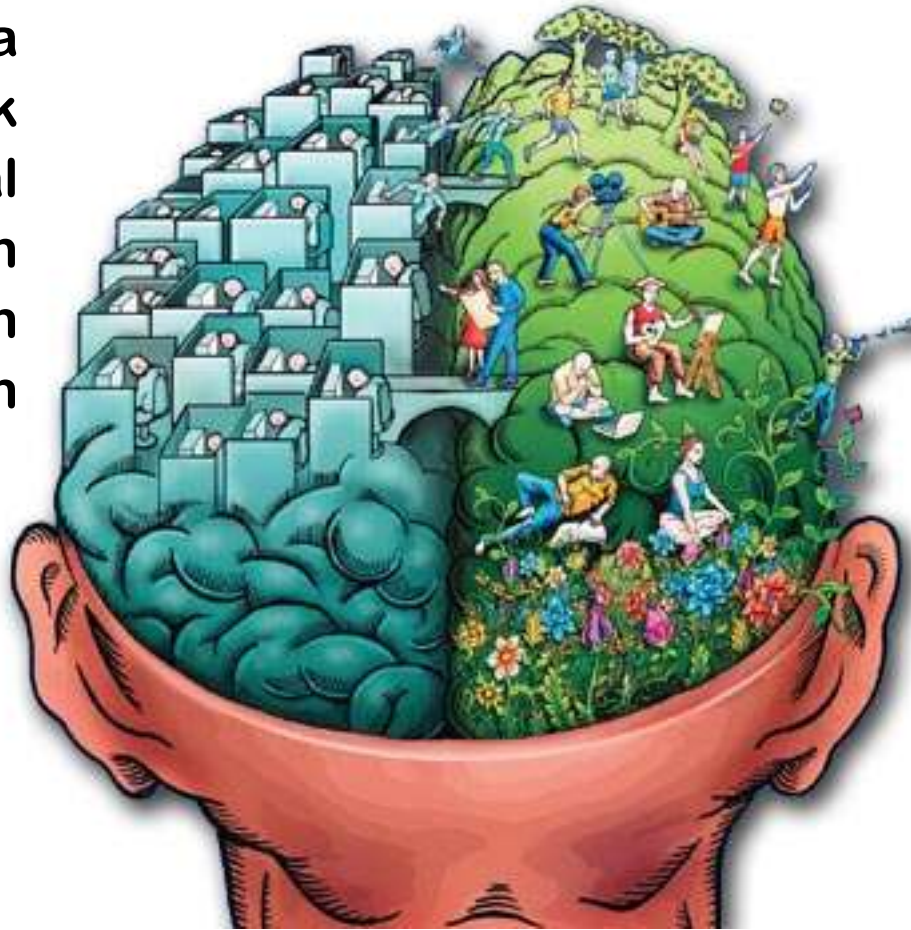


Introductie



Onze hersenen

Logica
Spraak
Taal
Analytisch
Rekenen
Abstract denken



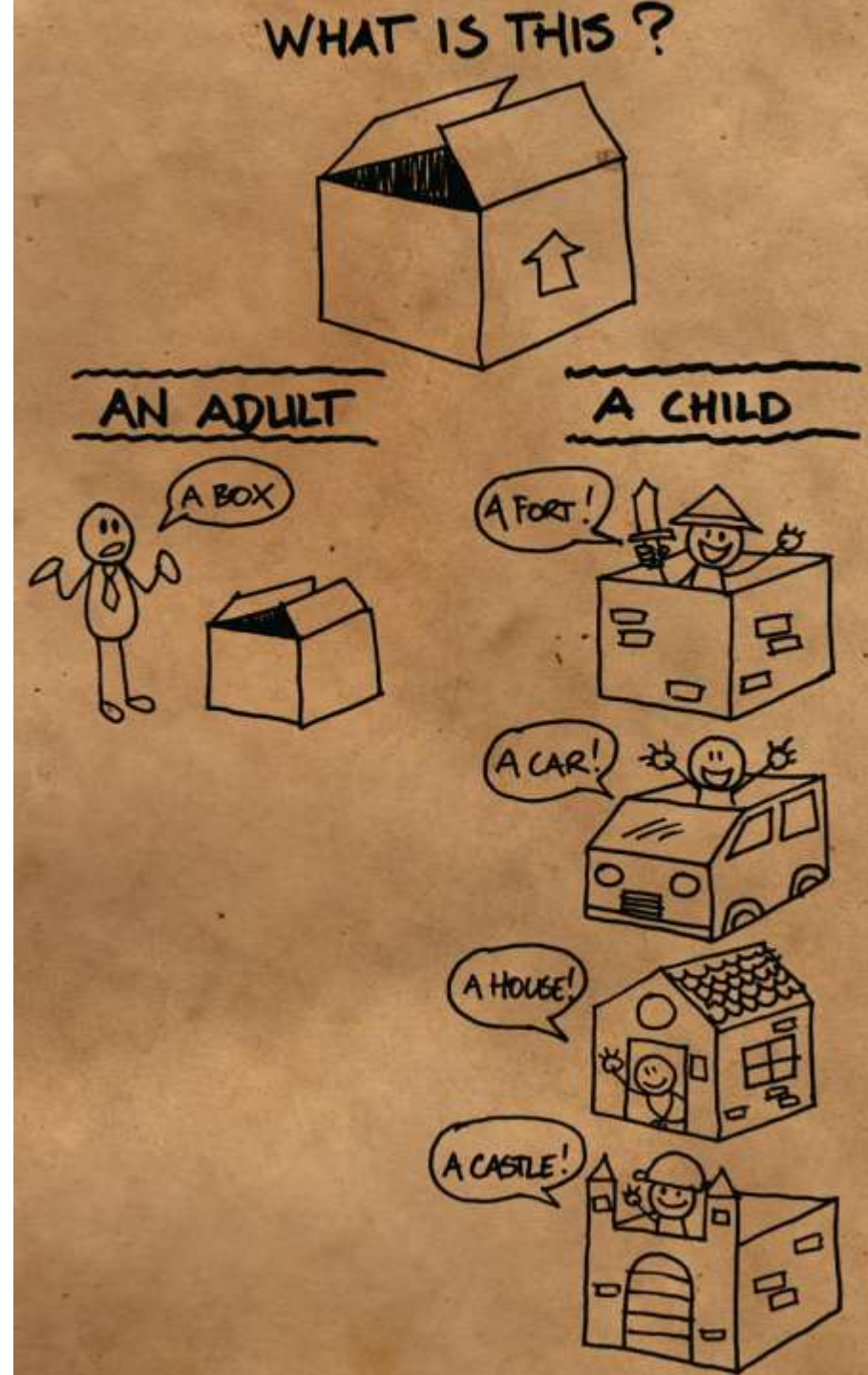
Kleur
Fantasie
Muziek
Beelden
Gevoel
Ritme
Creativiteit

Bron: www.karendevries.nl

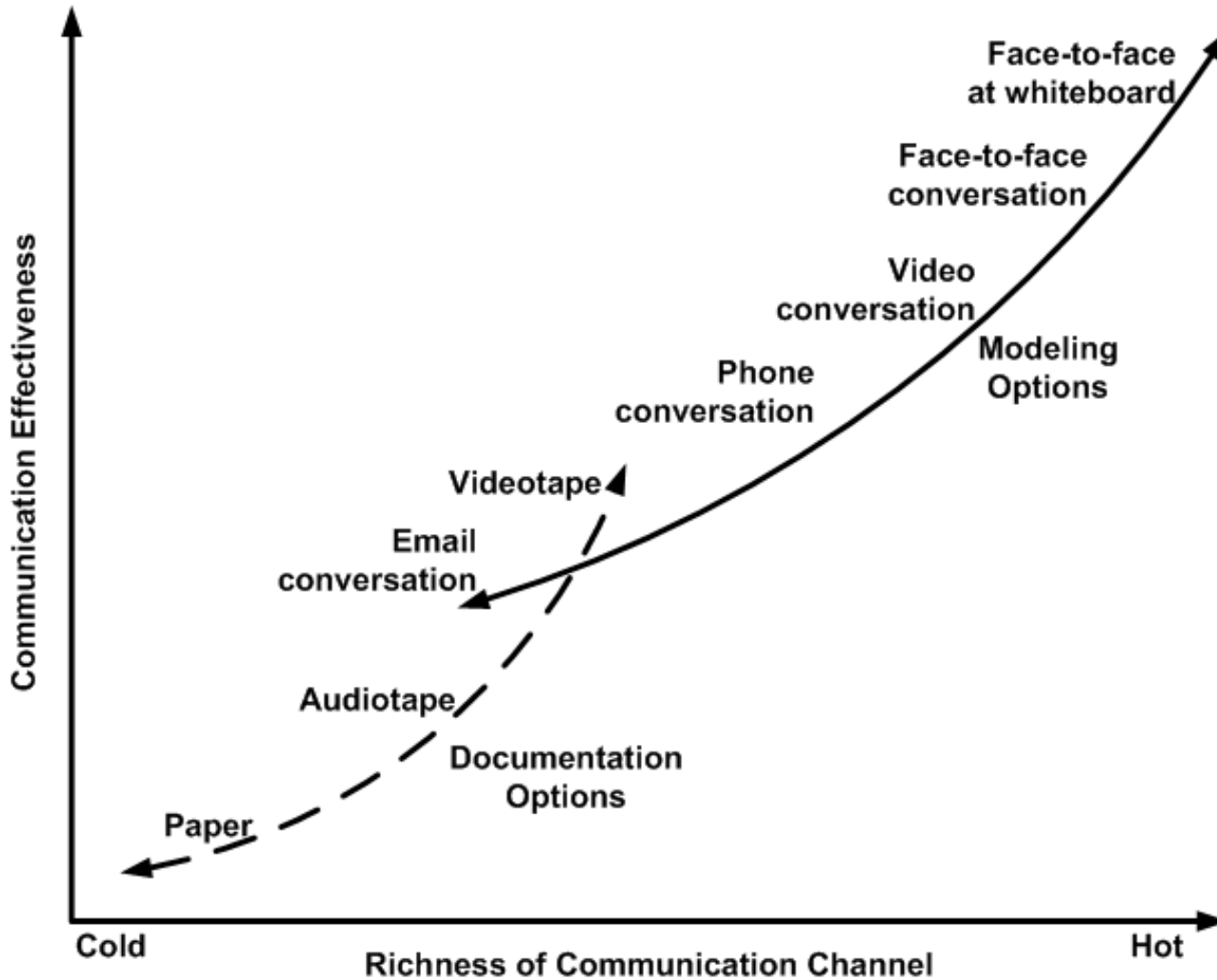


Creativiteit

- Volwassenen: gemiddeld 3 tot 6 alternatieven
- Kinderen: vaak wel 60 of meer
- Afstomping door opleiding, normen & waarden, afremmen nieuwsgierigheid, binnen de lijntjes kleuren

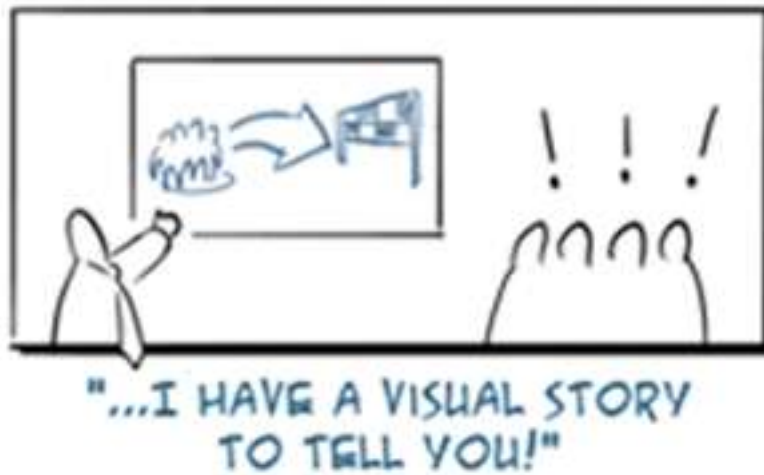


Communicatie



Visualisatie

Een visualisatie is de vertaling van een gedachte, resultaat of andere informatie naar een zichtbare voorstelling



Visualisatie

Doel van deze tutorial:

- zelf leren visualiseren (met Mind Maps)
- uitdrukken zonder veel tekst en uitleg

Visualisatie helpt:

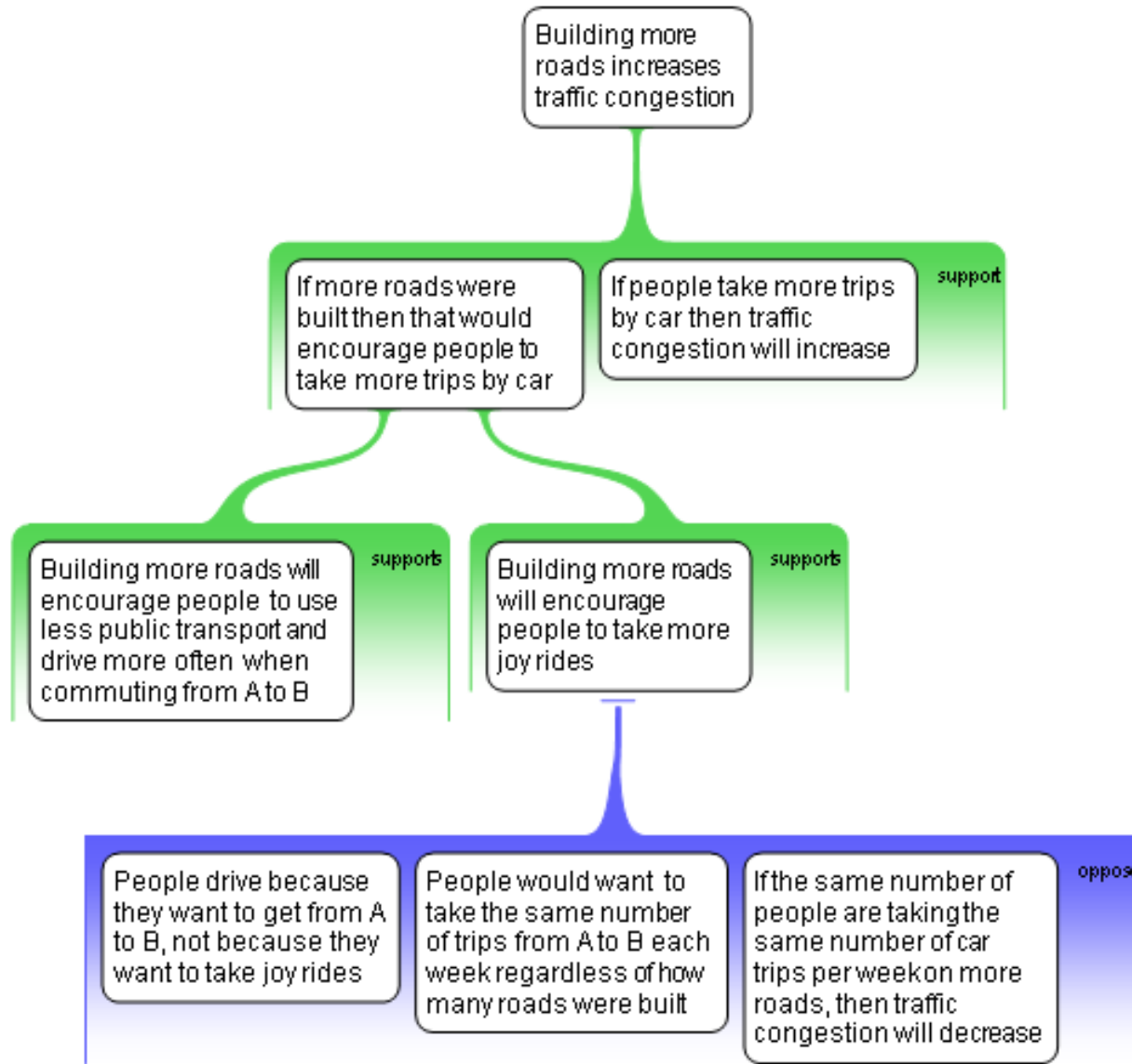
- ideeën/informatie ontwikkelen
- denkprocessen sturen
- ideeën en resultaten overbrengen



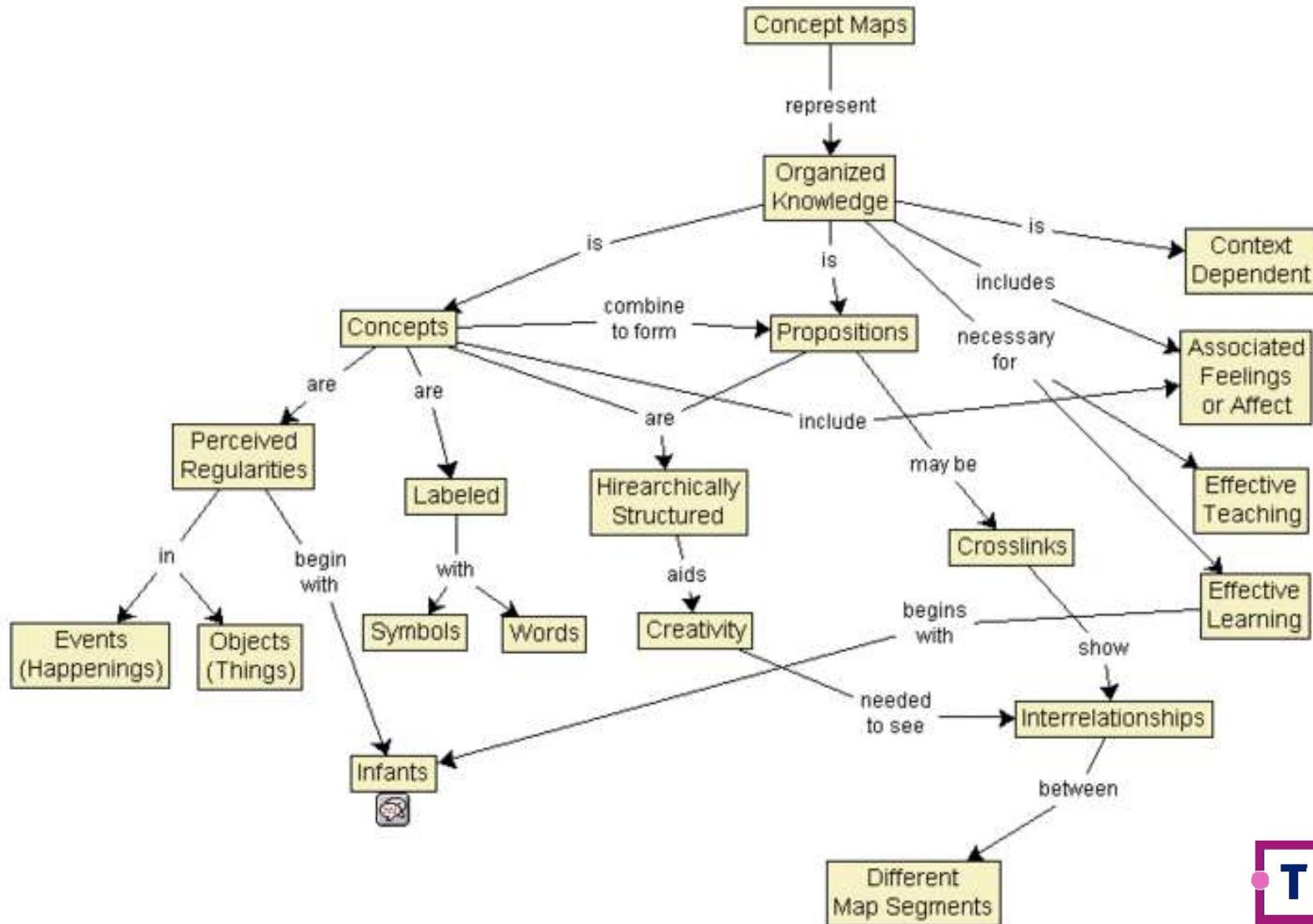
Sketch notes



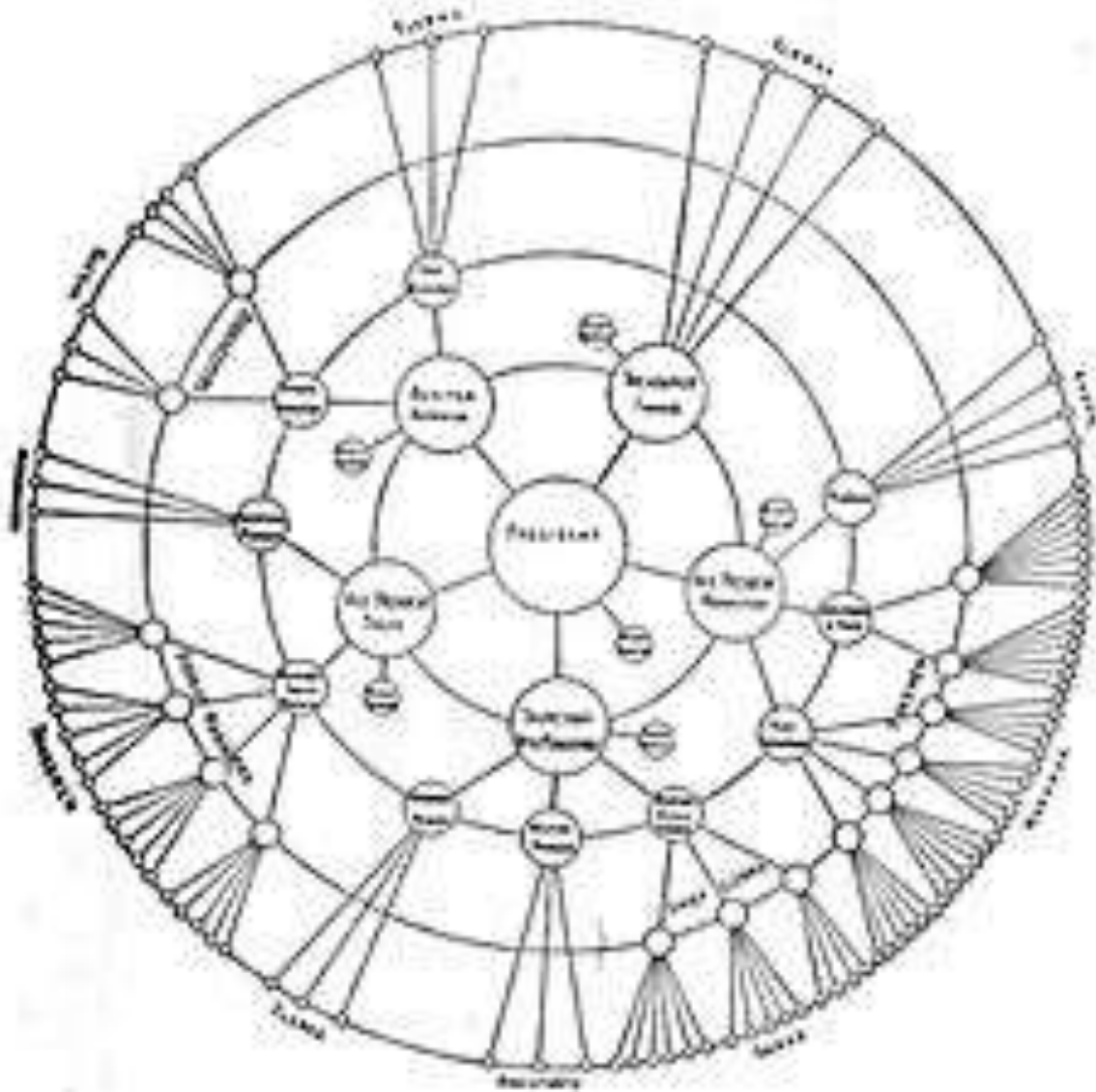
Argument map



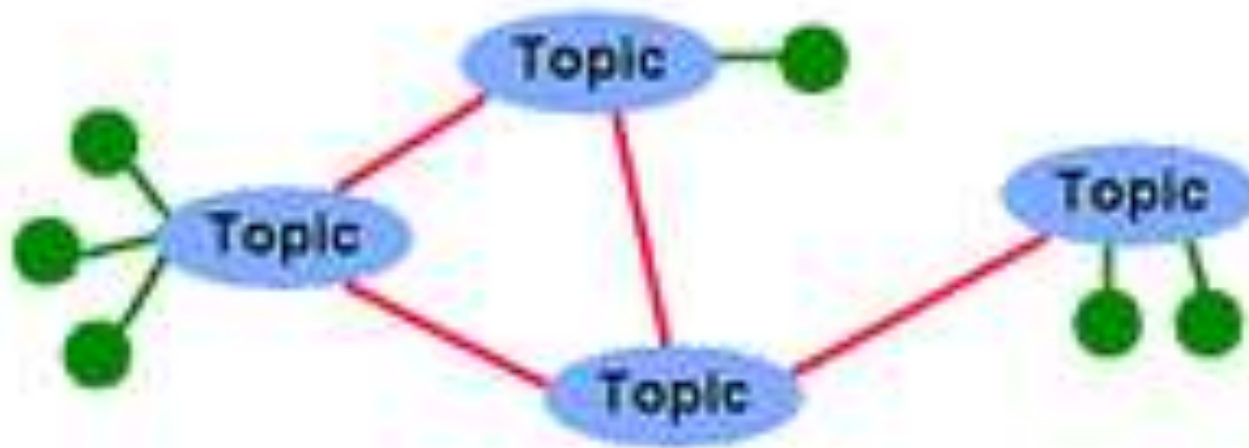
Concept map



Radial tree



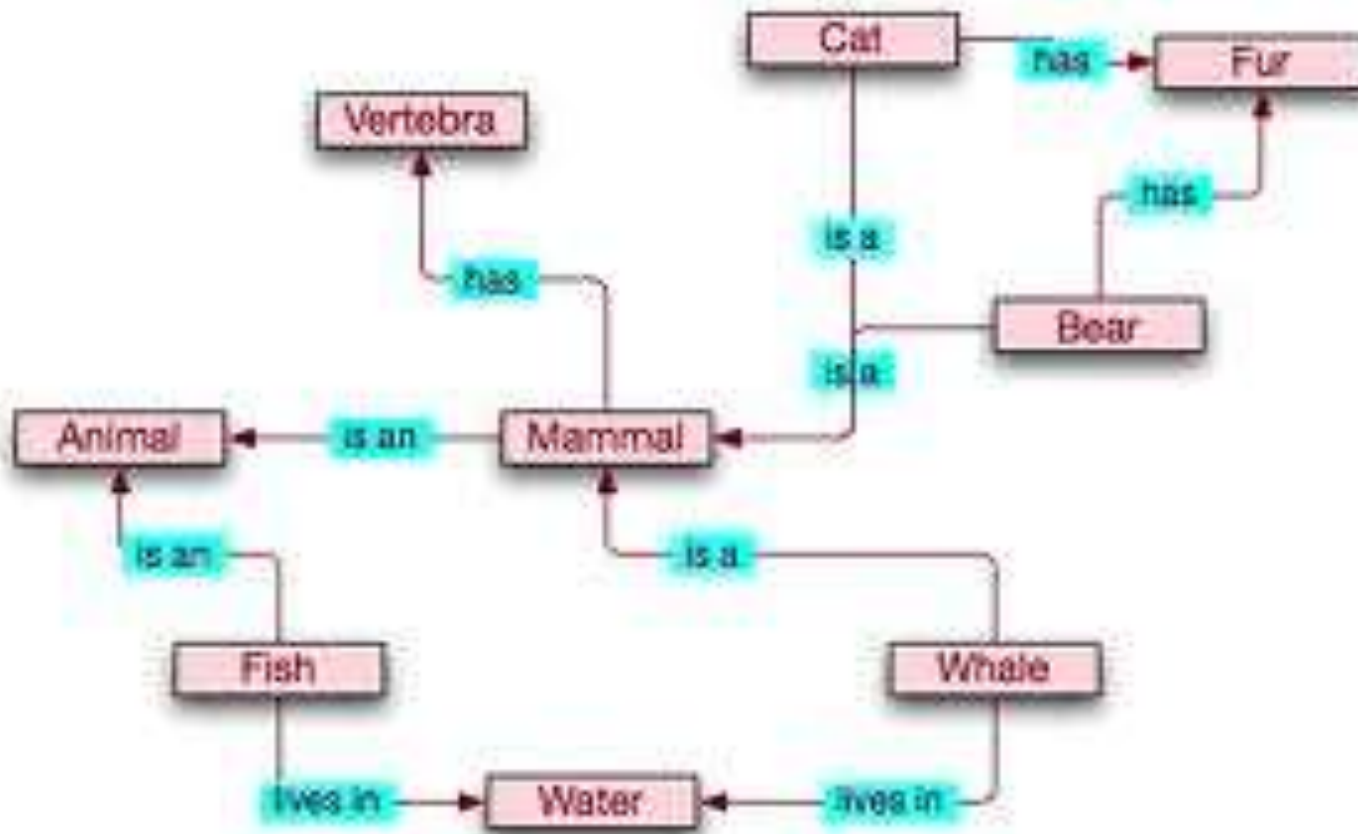
Topic map



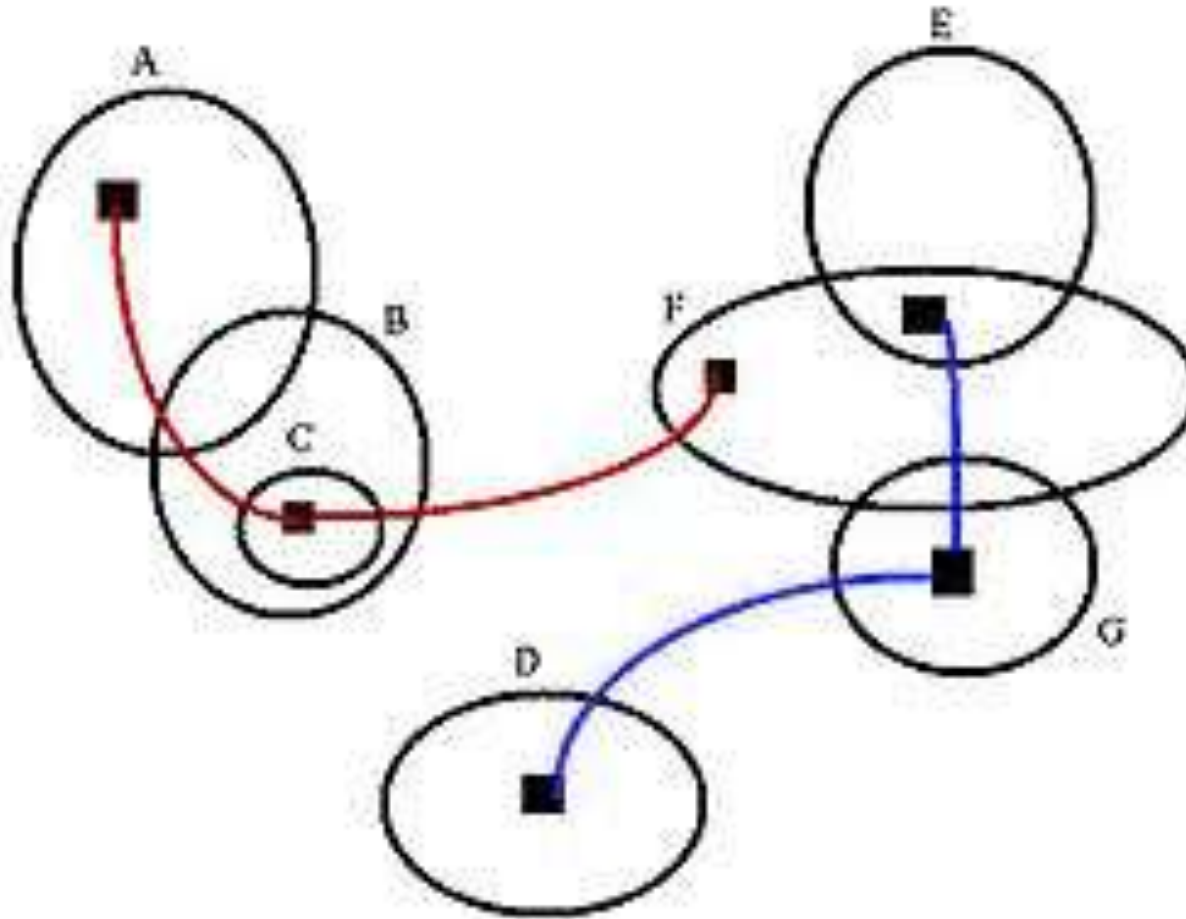
— Association

● Occurrence

Semantic network



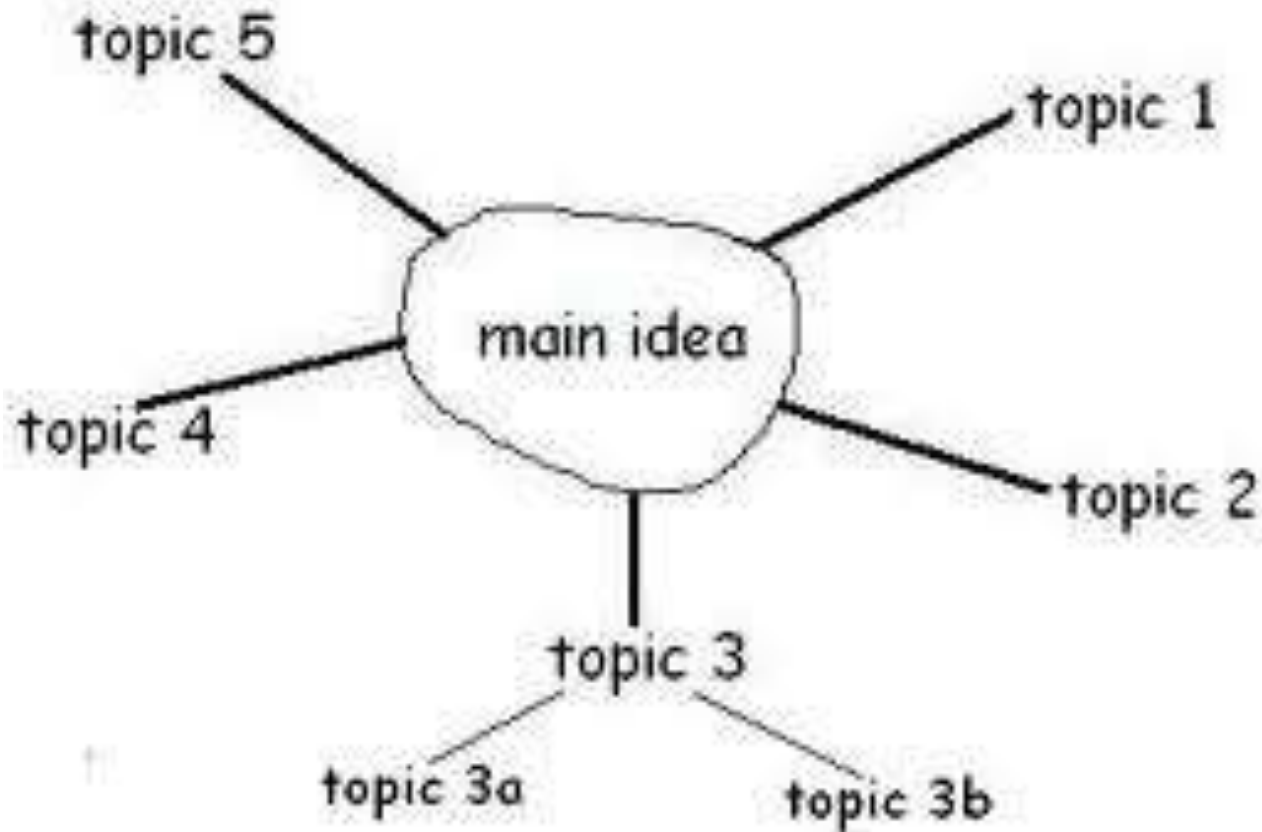
Euler diagram



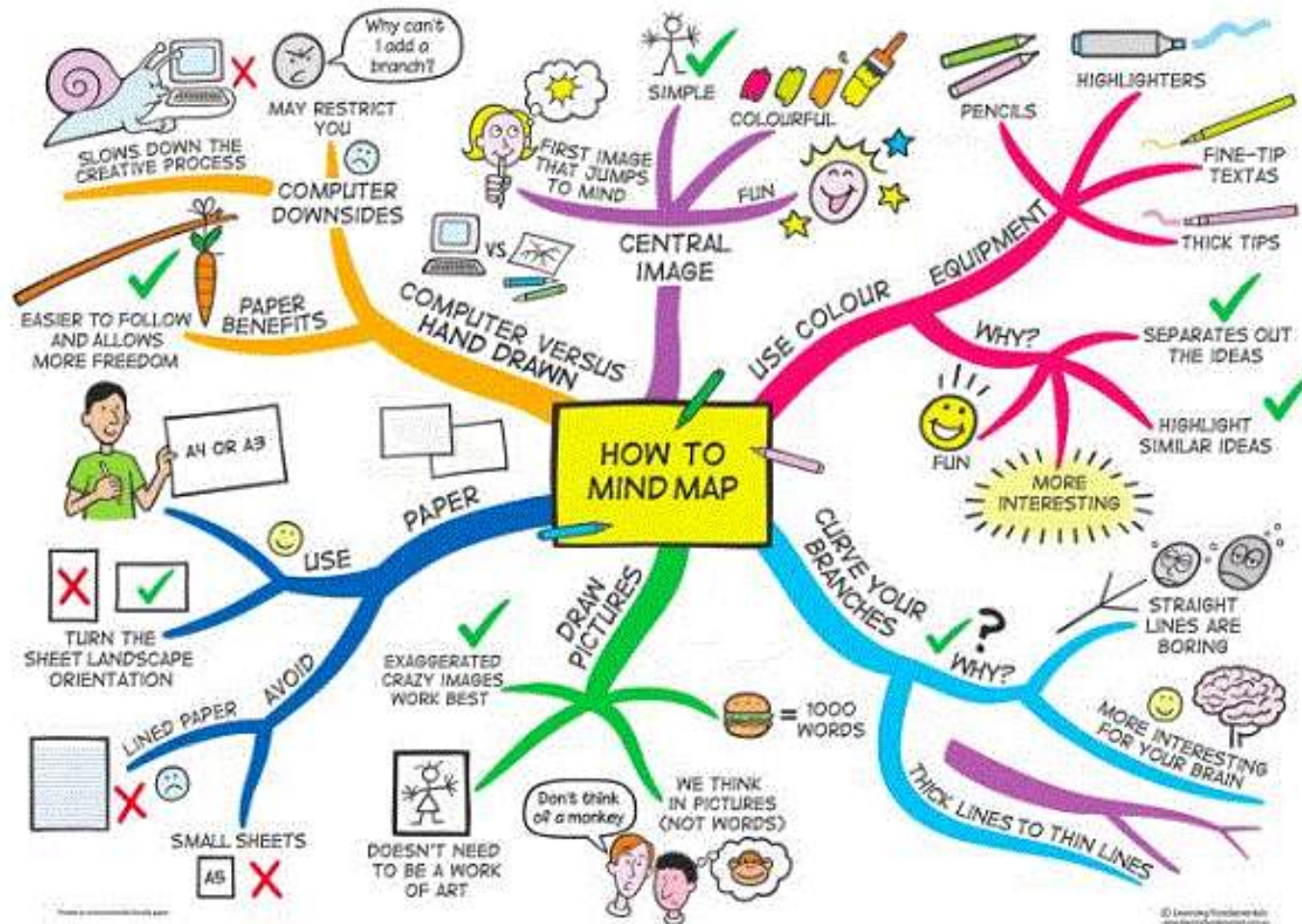
Information graphics



Spider diagram



Mind map



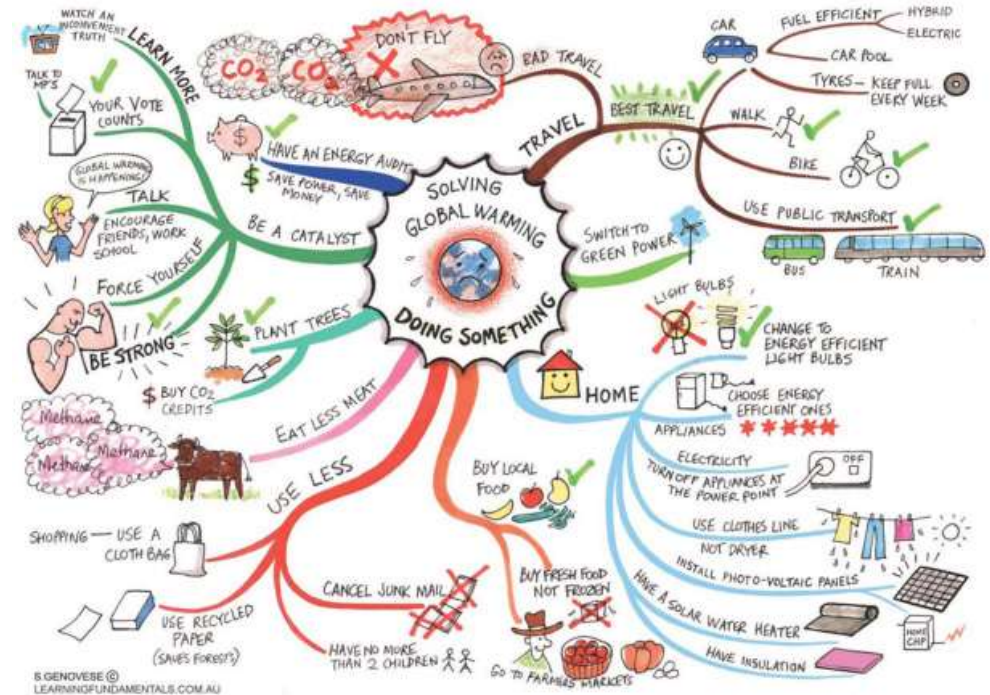
Bron: <http://www.mindmapart.com/how-to-mind-map-mind-map-jane-genovese/>



Mind map

Combinatie van:

- Afbeeldingen
- Symbolen
- Codes
- Dimensies
- Sleutelwoorden



Doel: informatie vastleggen & overbrengen

Tony Buzan

Mind maps imiteren de denk processen van je hersenen!

De vijf belangrijkste hersen functies:

- 1. Ontvangen**
- 2. Vasthouden**
- 3. Analyseren**
- 4. Uitvoeren**
- 5. Controleren**



Mind maps volgens Buzan

- Neem een groot leeg vel papier (A2 – A3)
- Leg het papier in ‘landscape’
- Teken in het midden een afbeelding met het thema van je mind map
- Kader de afbeelding niet in





Mind maps volgens Buzan

- Voeg hoofd vertakkingen toe aan de centrale afbeelding
- Elke tak is een sub onderwerp, sleutel idee of kenmerk van het hoofd onderwerp
- De takken hebben elk een eigen kleur, gebruik ten minste drie kleuren
- De takken lopen taps toe en hebben een organische vorm (boom)
- Elke tak heeft één woord of afbeelding

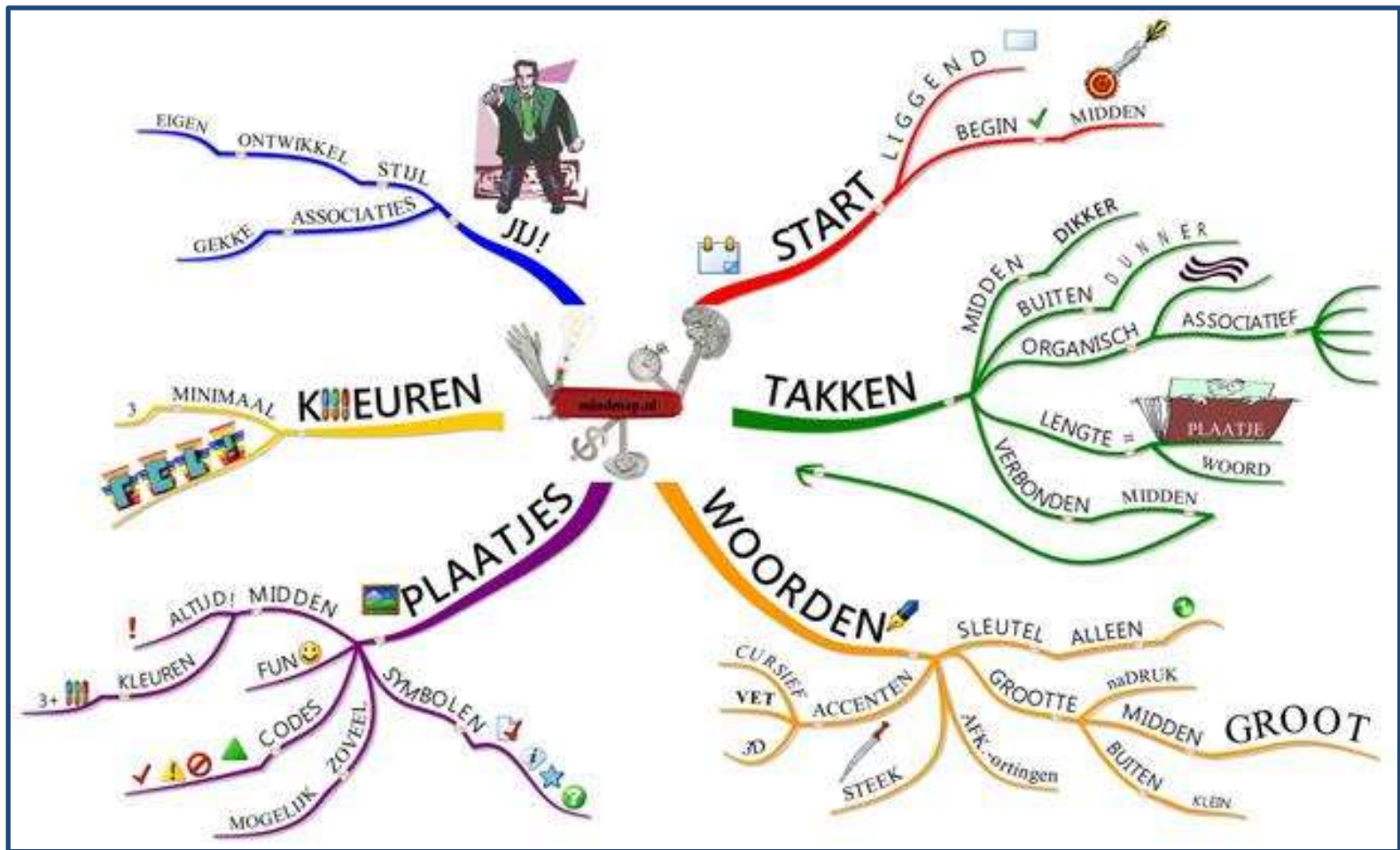




Mind maps volgens Buzan

- Voeg vertakkingen toe aan de hoofdtakken
- Vertakkingen zijn gerelateerde ideeën of sub categorieën
- Takken zijn gebogen, bestaan uit een enkele lijn
- Takken hebben één enkel woord of afbeelding
- De lengte van de lijn is evenredig aan de lengte van het woord of de afbeelding.





Bron: www.mindmap.nl



Buzan oefening



Oefening:

1. Maak een mind map over je hobby of vakantie
2. Deel je mind map
3. Twee van jullie presenteren de mind map aan de hele groep



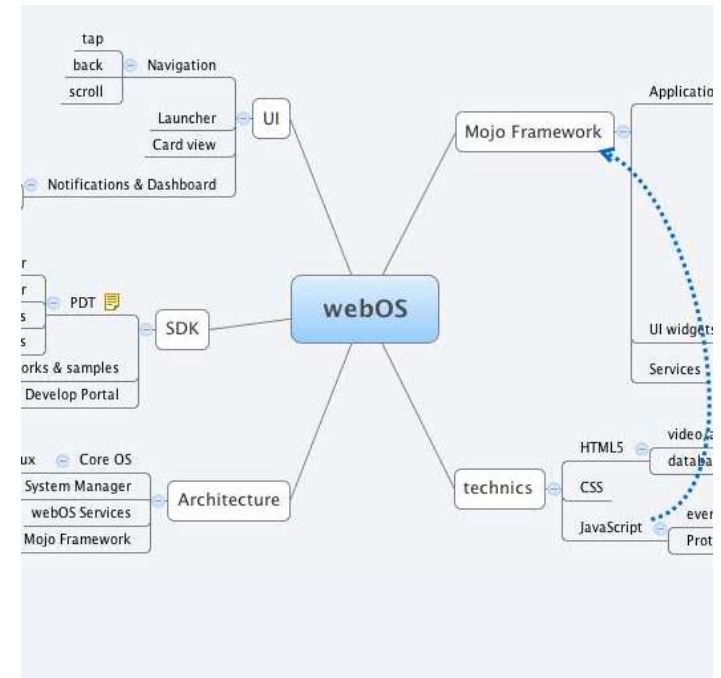
Handgemaakte mind maps?

- Voordelen:
 - Makkelijk te maken
 - Persoonlijk
- Nadelen:
 - Persoonlijk
 - Wijzigingen achteraf
 - Overdraagbaarheid

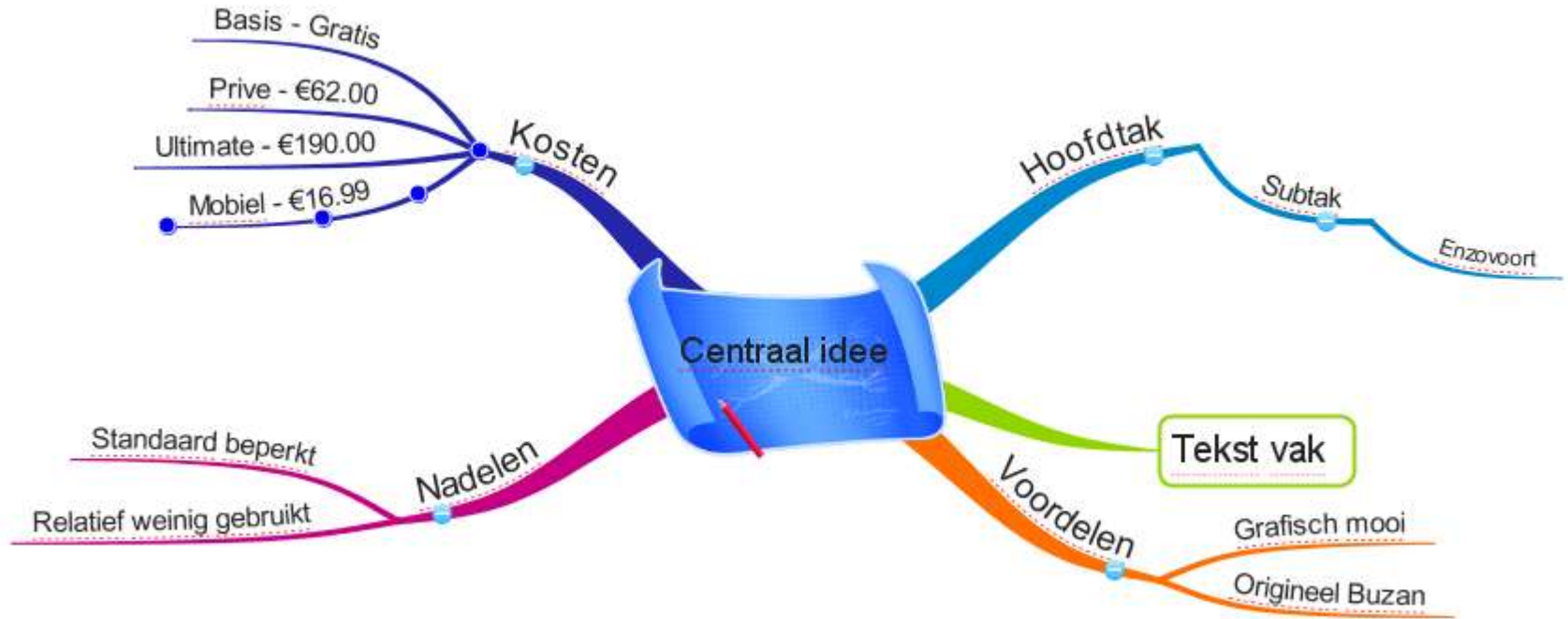


Mind map tooling

- Voordelen:
 - Makkelijk deelbaar
 - Inpasbaar in bestaande documentatie
- Nadelen:
 - Echte mind map?
 - Device nodig
 - Software nodig



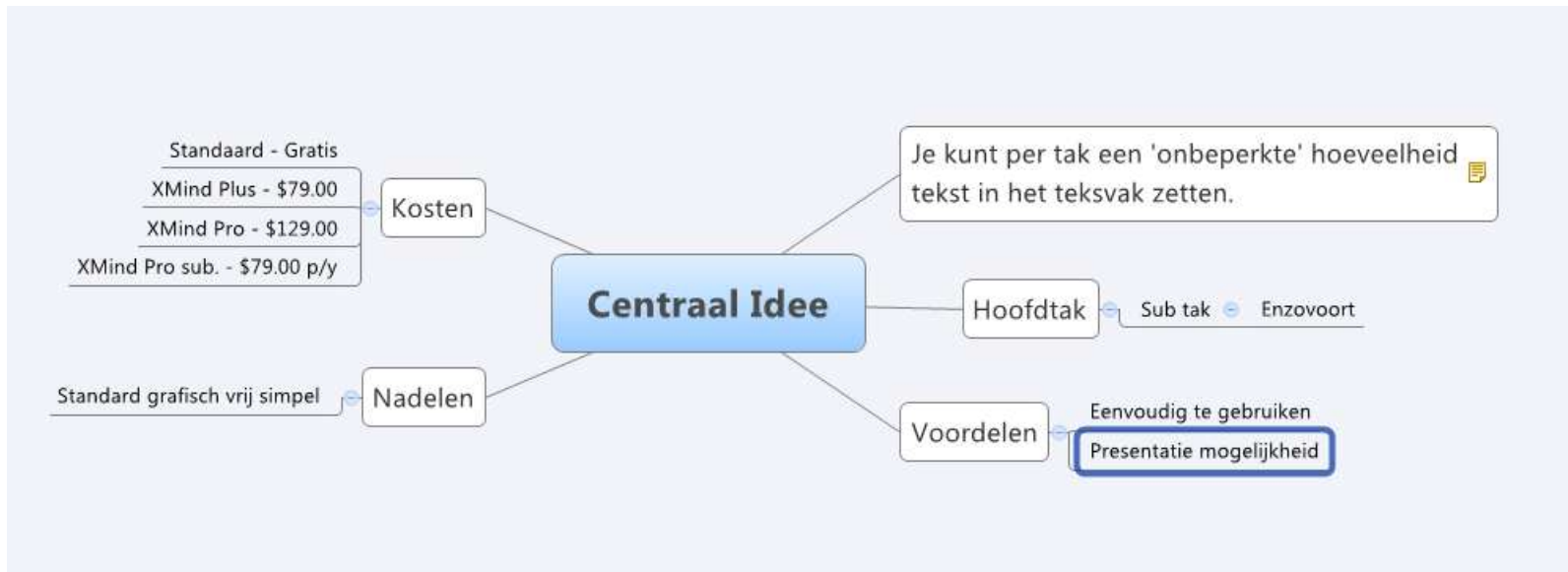
iMindmap



<http://www.thinkbuzan.com/nl/registration/freetrial>



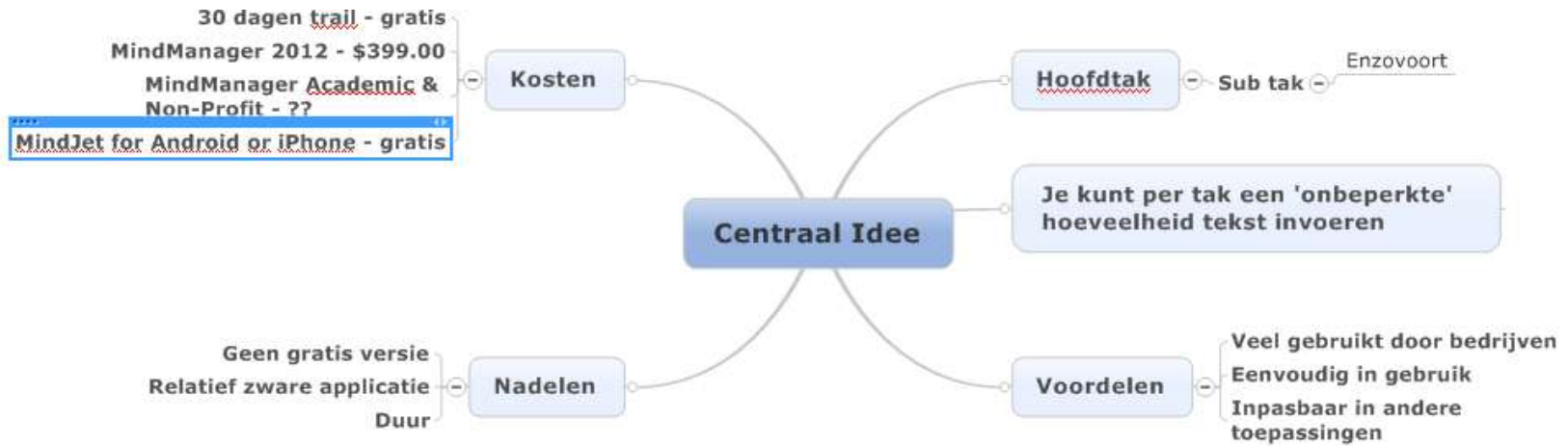
XMind



<http://www.xmind.net/download/win/>



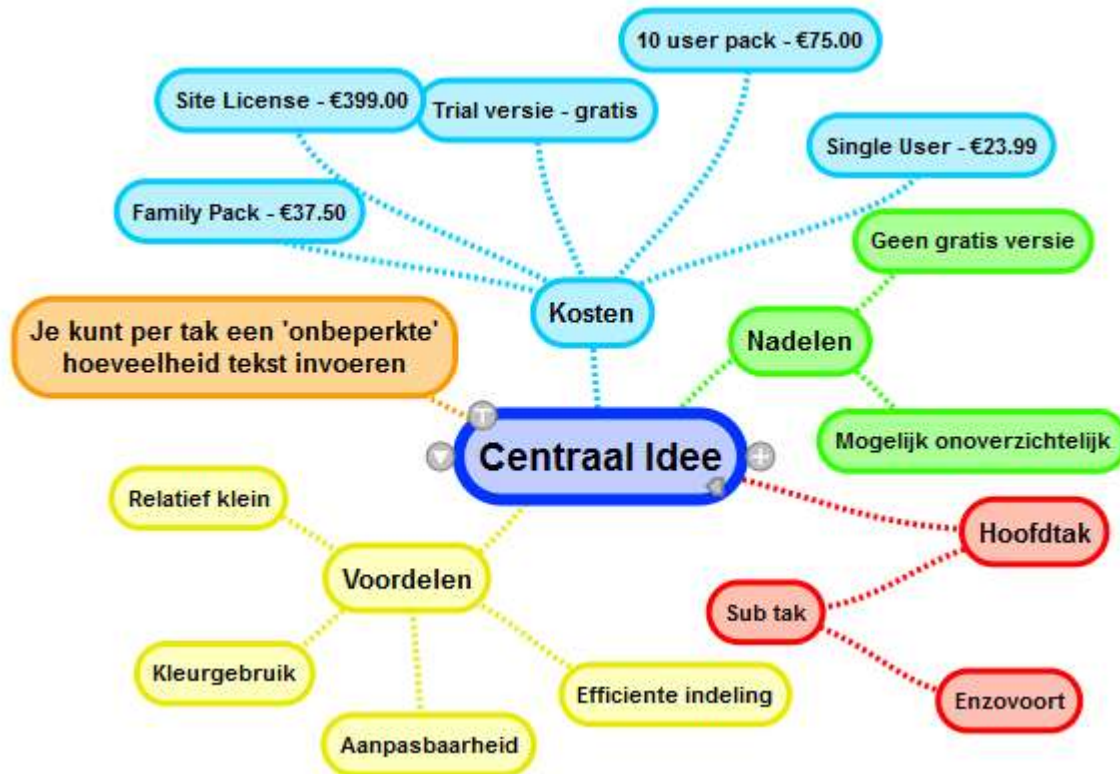
MindJet



<http://www.mindjet.com/>



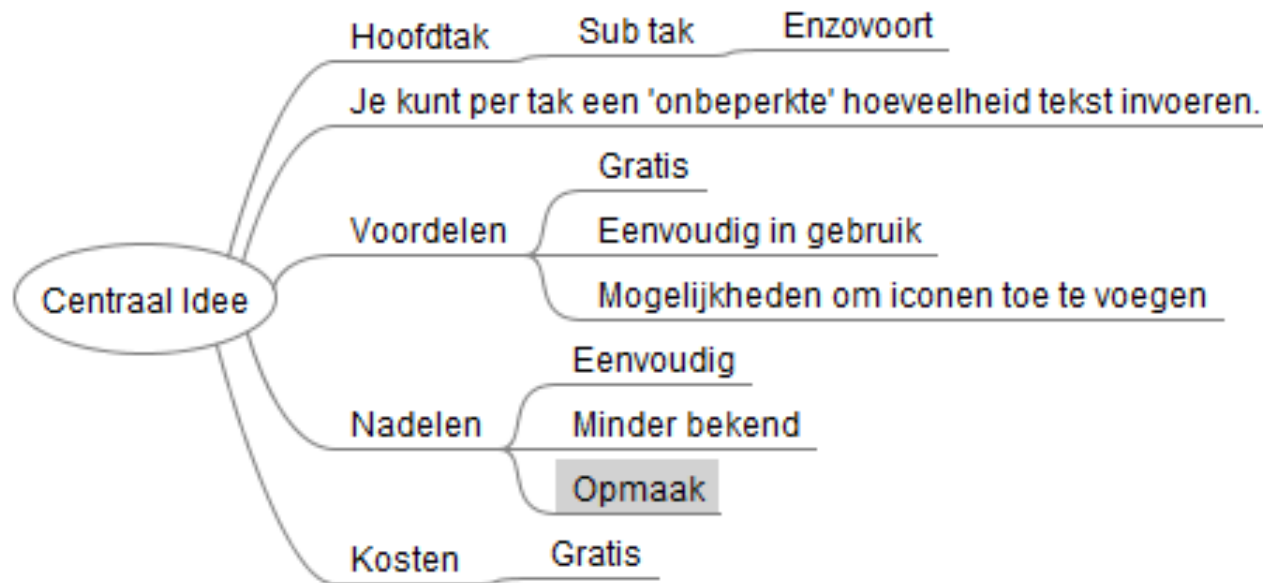
SimpleMind



<http://www.simpleapps.eu/simplemind/desktop#trial>



Freemind



<http://freemind.sourceforge.net/wiki/index.php/Download>



Oefening tooling

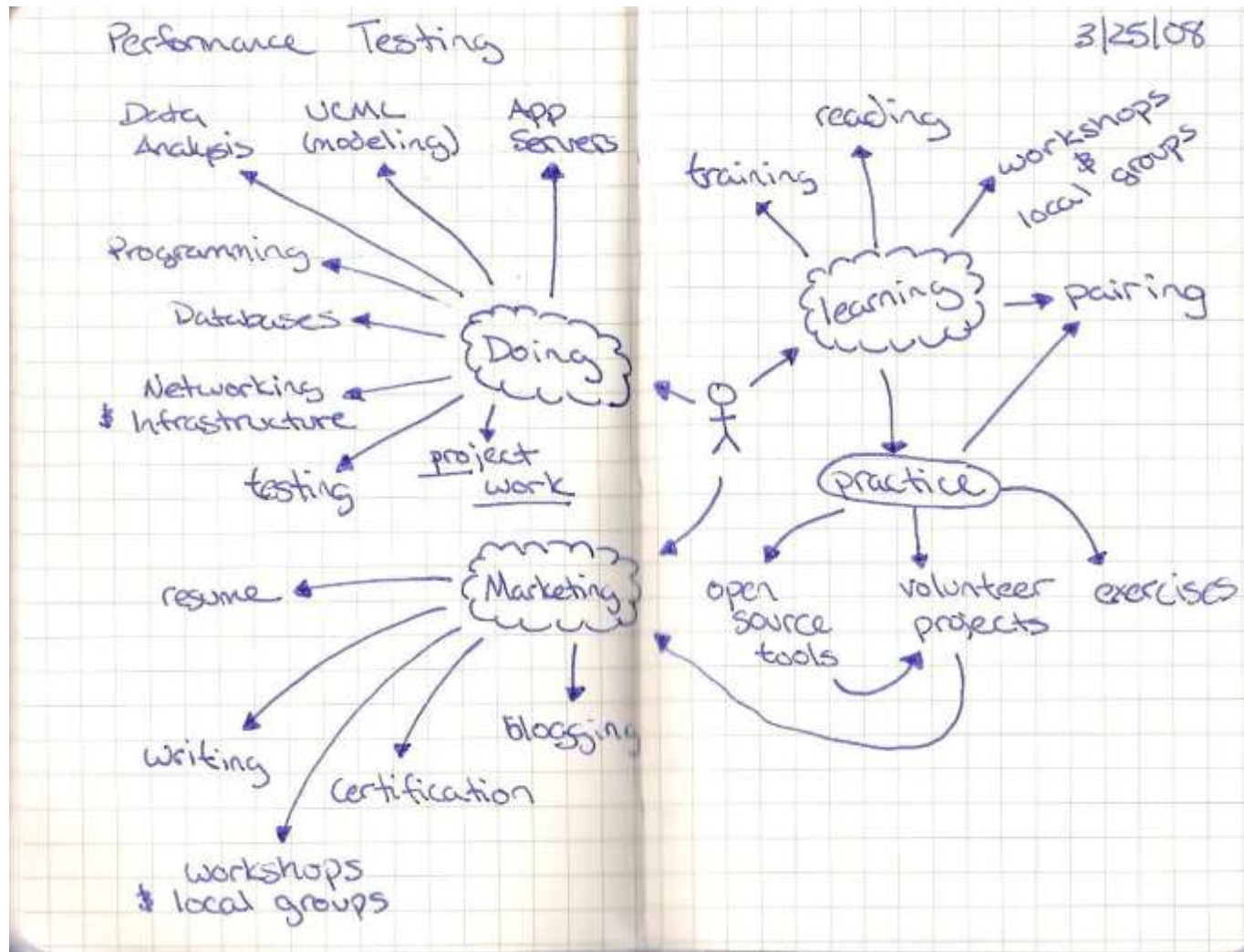


Oefening:

Zet je eerdere handgemaakte mind map
om in Xmind (of een andere tool)



Mind maps en testen



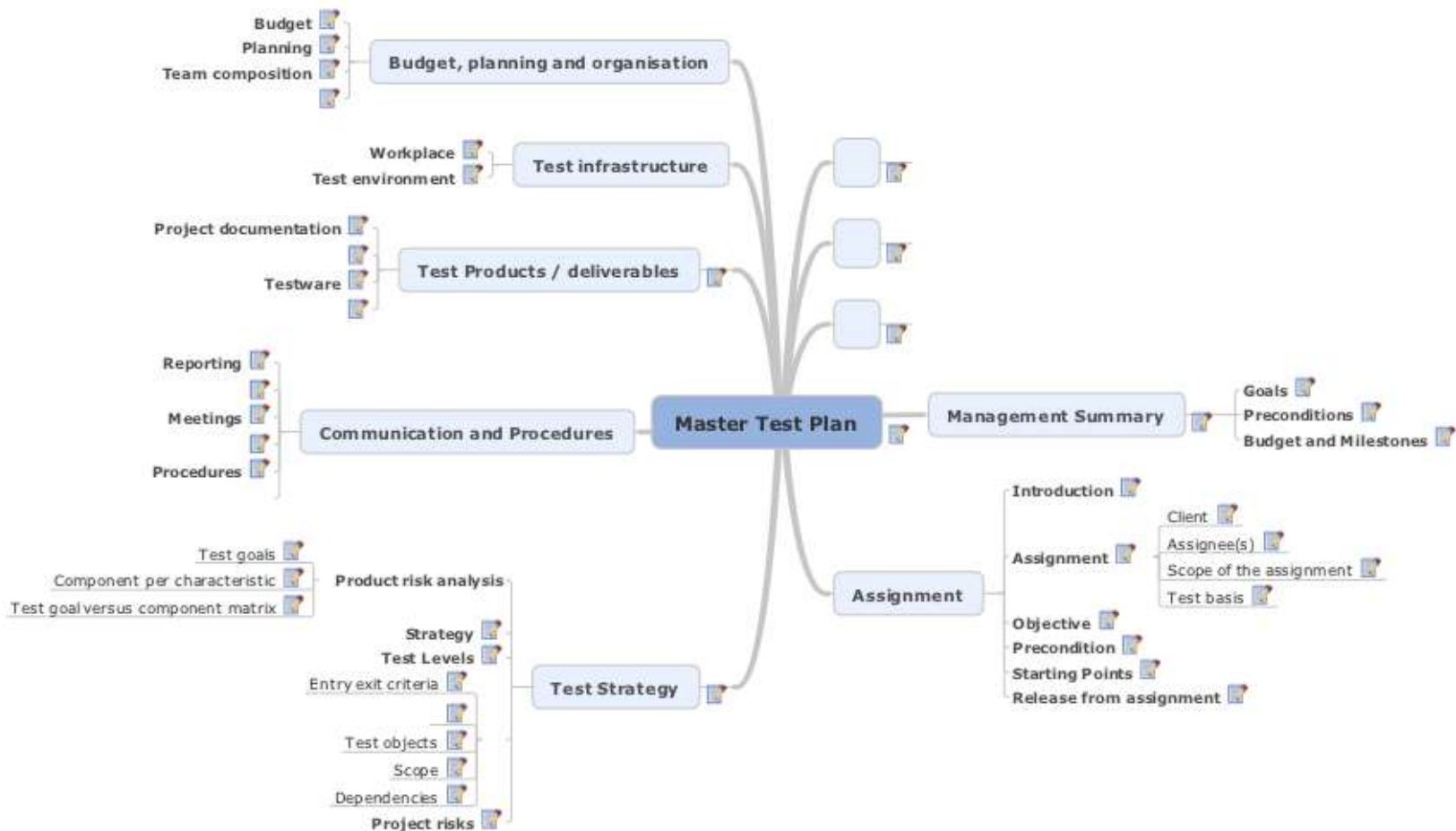
Test plan: **old school**



MS Word:

- Veel tekst (voorbeeld = 55 pagina's!!!)
- Ontoegankelijk
- Wie leest dit echt?

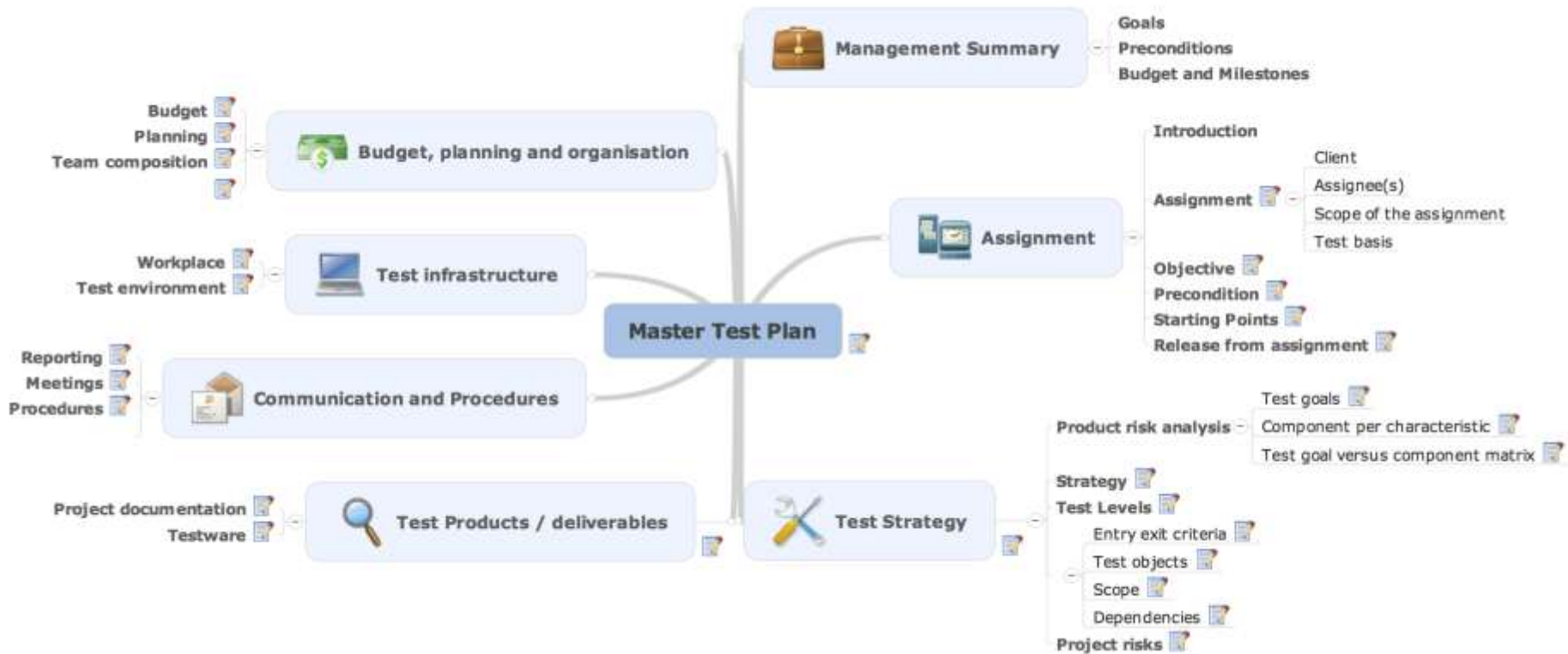
Test plan: mind map



Dit was een test plan sjabloon van 24 bladzijden geïmporteerd in Mindjet Mind Manager



Test plan: mind map



Test plan: mind map

Show and validate that the DWH is able to retrieve, store, aggregate, enrich and distribute financial key data.



Oefening:

Maak een test plan in een mind map (in Xmind of met de hand) van reisplanner van de NS website



Plan uw reis

Van

Naar

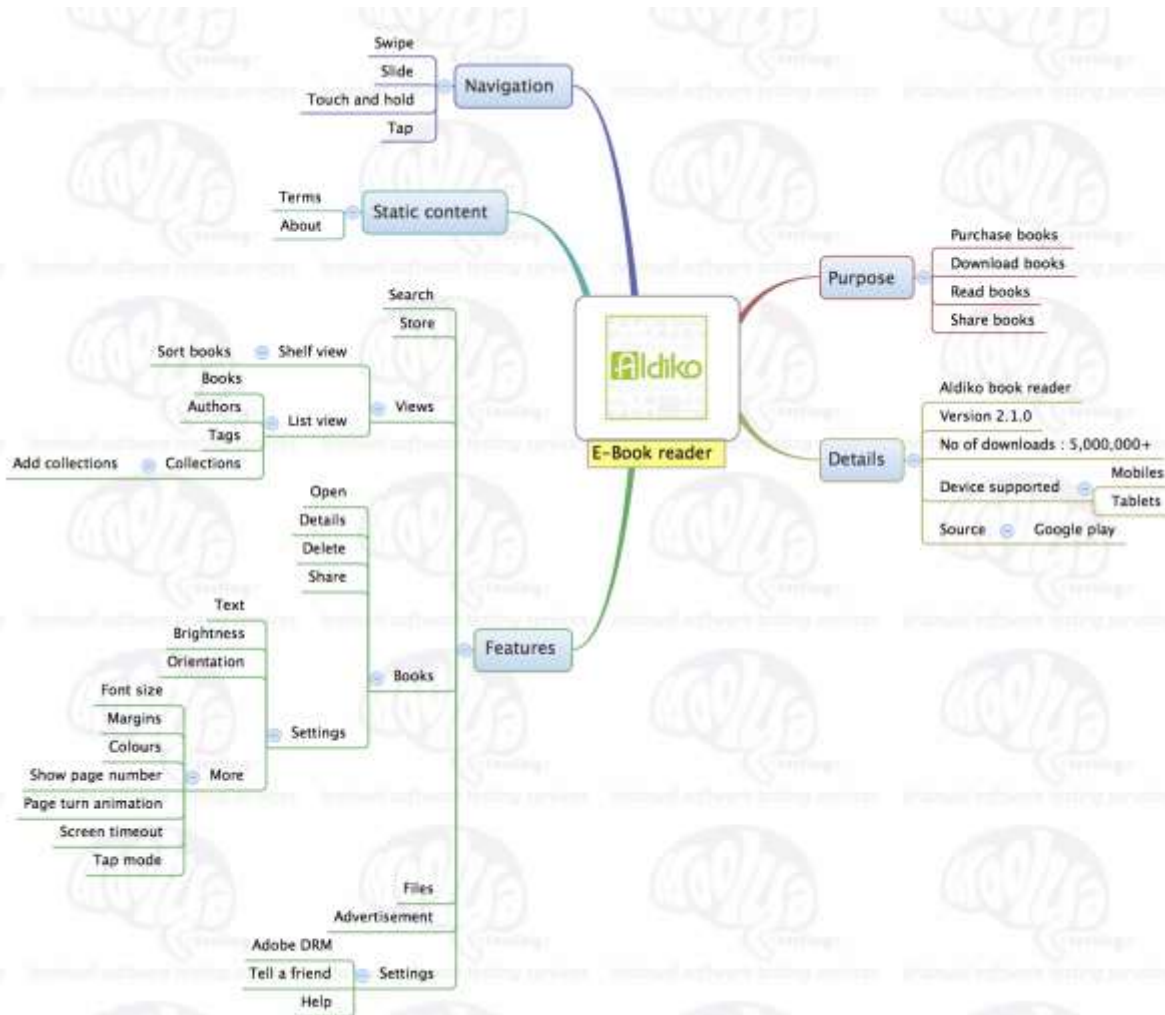
Via Station

Datum dd-mm-jjjj

Tijd : Vertrek Aankomst



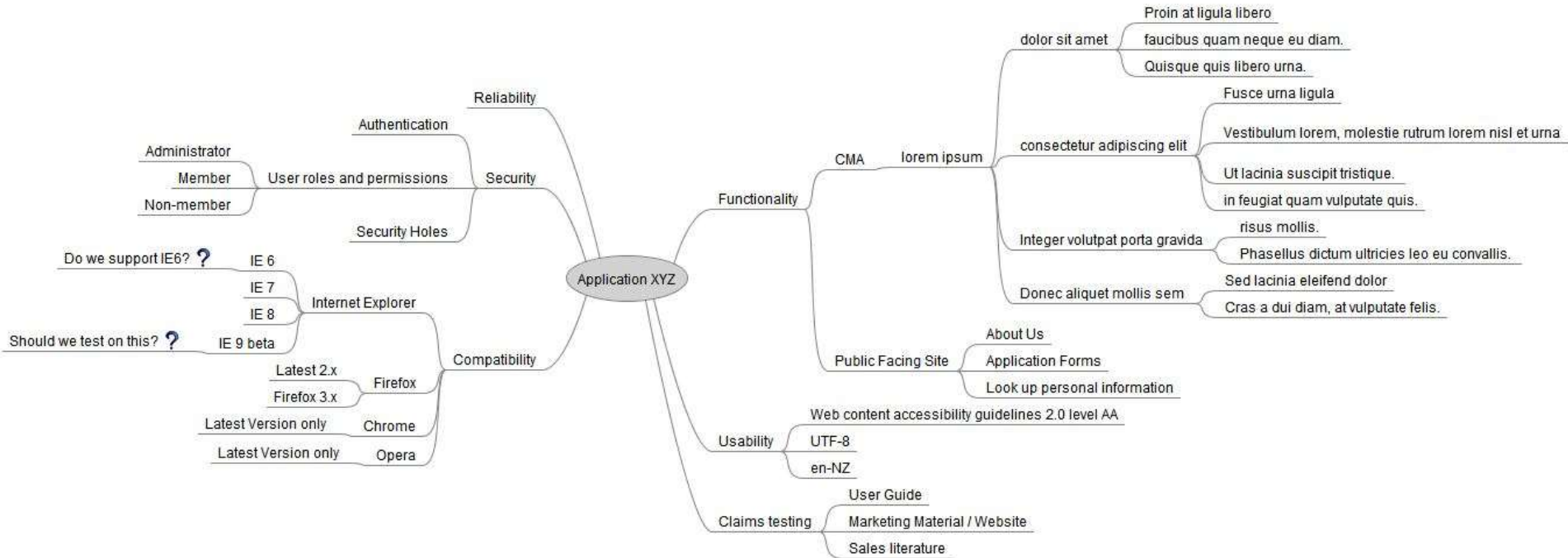
Test strategie



Bron: <http://www.moolya.com>



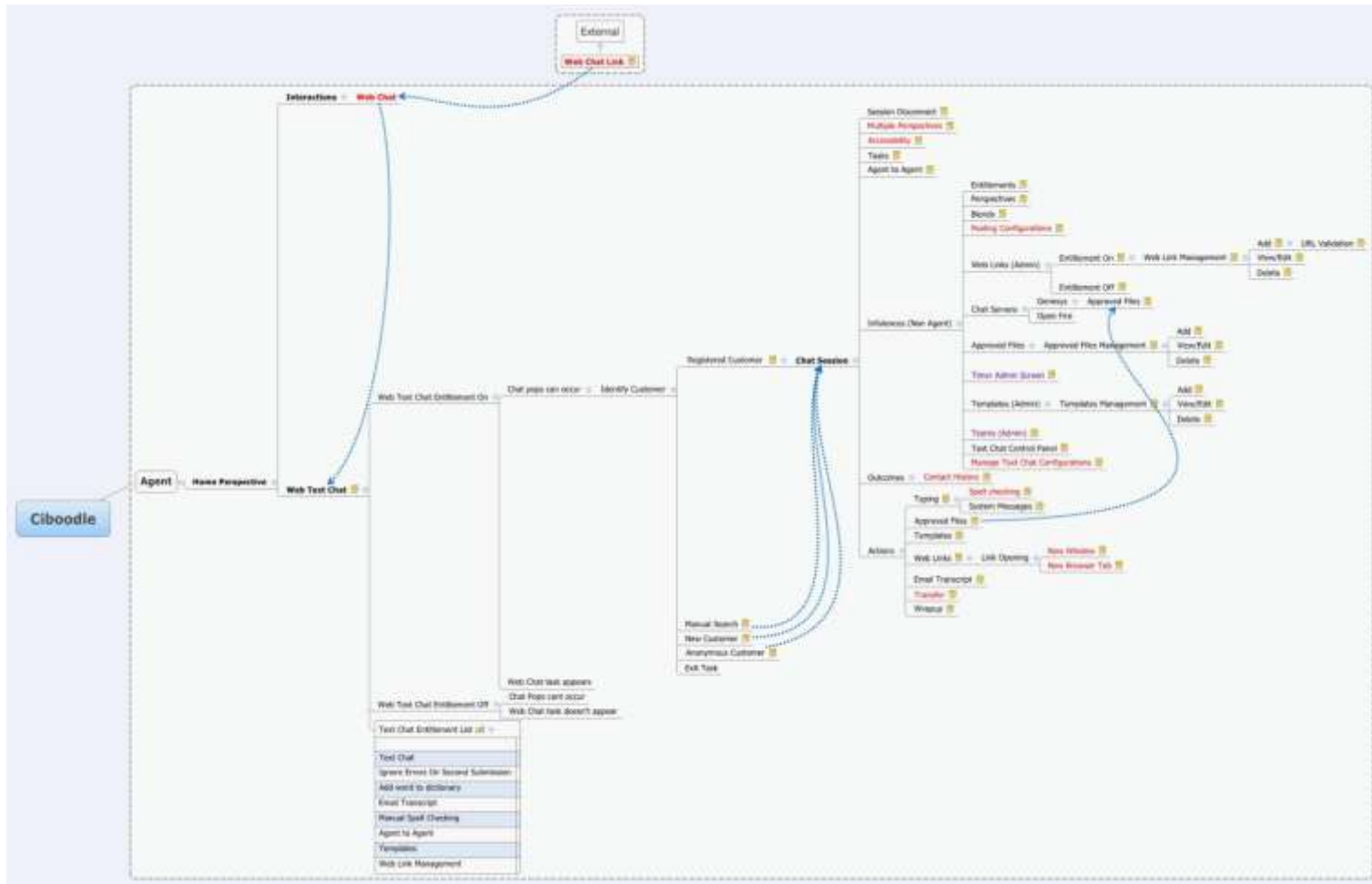
Test strategie



Bron: <http://testerkiwi.blogspot.nl/>



Test cases / test ideas



Bron: <http://www.bettertesting.co.uk>



Test cases / test ideas

The screenshot displays a mind map application with a central node labeled "Chat Session". A red box highlights a node labeled "Web Chat" with the text "Selected node on mind map" and "Test conditions added as notes". Below the mind map, a notes window contains the following text:

Accessibility

Read only outcome codes: When one of these is added how does a JAWS user know that they are read only? Does the description text or some hint text explain this? Do we rely upon a validation message.
-Like wise how do they know they are auto added?

Extensibility

Read only outcomes codes: How easy is it to extend these to another channel? E.g. telephony?

Functional

Verb History: Sensible verb history should be recorded all possible paths in a web chat transaction.

Chat Session: Agent can return to the chat session by clicking exit on the **setup** form.
-Chat session will be in it's previous state
-Verb history should be recorded for time spent in **setup**

Read only outcome codes: Let the chat session time out and **setup**, a read only outcomes code will be added into the "Selected Outcome" database saying "Session Timed out", confirm you can't remove this outcome code from the database.
-Confirm you can still add items from the Available Outcomes option menu
-Confirm you can removed items added via the Available Outcomes option menu
-Confirm you can **setup** with a read only outcome code added.

Rules

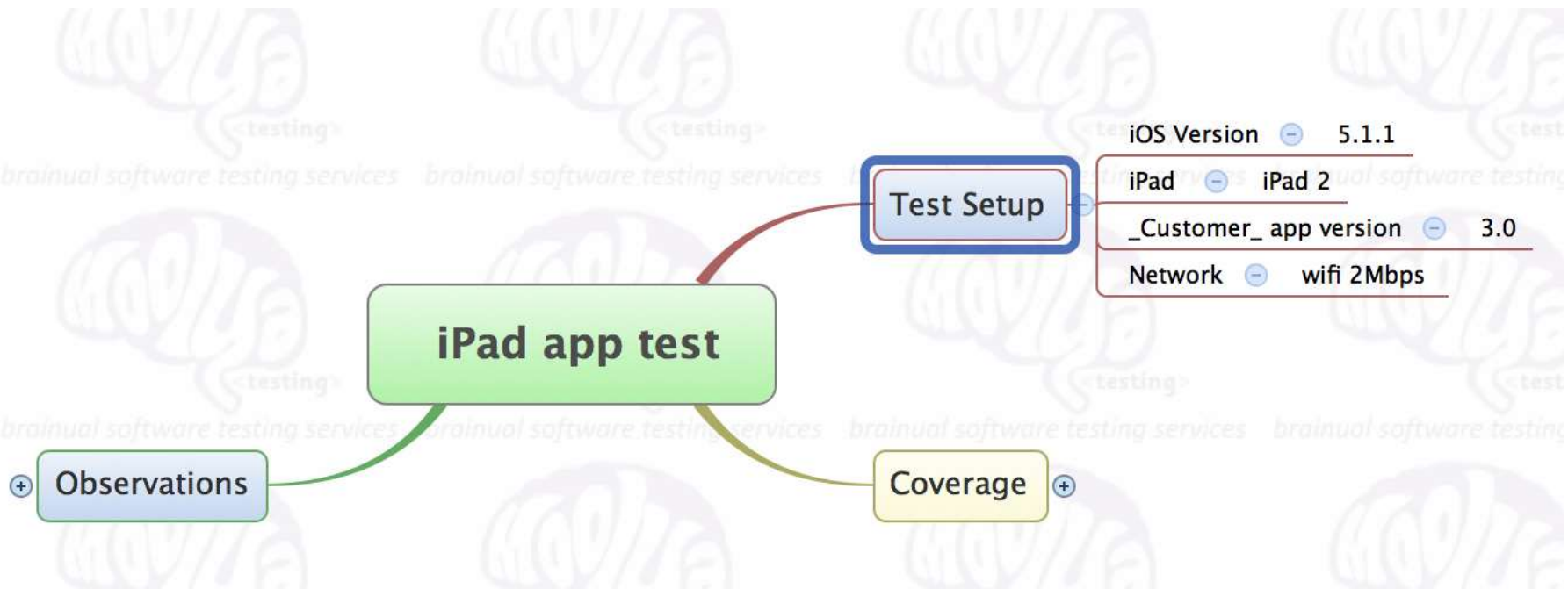
Read only outcome codes: These will be added if the chat session is terminated sensibly, timed out or transferred.

Bron: <http://www.bettertesting.co.uk>



Test cases / test ideas

(incl. uitvoer en rapportage)



Bron: <http://www.moolya.com>

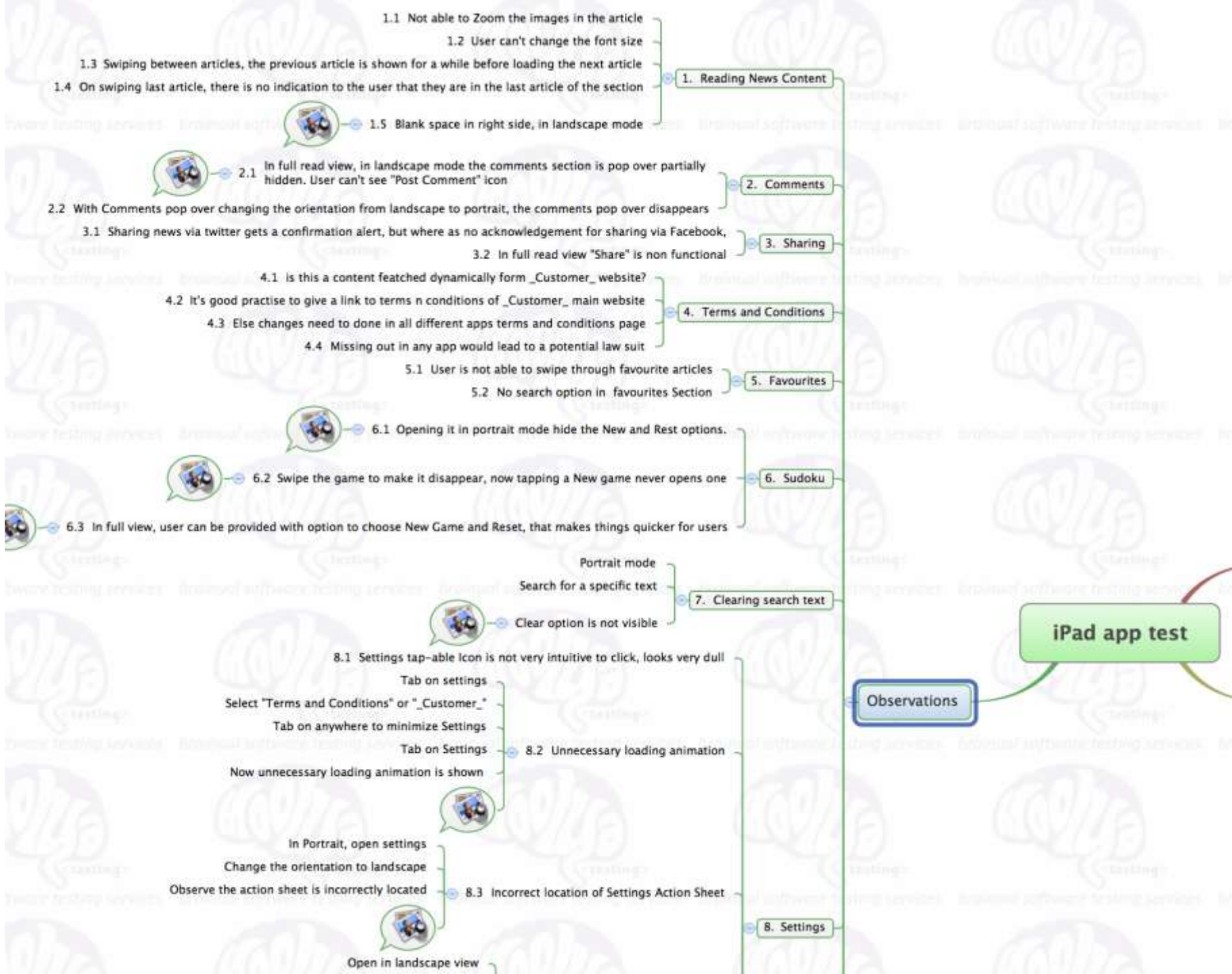


iPad app test

Coverage

- ✓ read news articles? More comfortable than previous version
- ✓ swipe between articles? Yes, but respond only to gentle swipe not a quick flick
- ✗ zoom the content? Not possible neither photo nor the text in the article
- ✓ select different news section? Yes, comfortable then previous version
- ✓ Come back to home section? Yes, more intuitive
- ✓ check top stories?
- ✓ watch videos?
- ✓ View photos?
- ✓ share? Share but not possible in full read view
- ✓ Comment? Partially hidden in Portrait mode
- ✓ Check live scores? Clicking from ticker takes to Stocks not full score card
- ✓ Check live markets? Yes, but tabbing from ticker takes to _Customer_ Social but not to Markets
- Track election updates?
- follow budget updates?
- ✓ Check weather updates?
- Organize weather section?
- ✗ Get location related news?
- ✗ Organize news in home page? No, BBC has a neat way of customizing the home page content
- ✗ Refresh?
- ✗ Disable\enable loading of images?
- ✗ Disable\enable updates on launch?
- ✗ Enable\disable location services?





iPad app test

Observations

1. Reading News Content

- 1.1 Not able to Zoom the images in the article
- 1.2 User can't change the font size
- 1.3 Swiping between articles, the previous article is shown for a while before loading the next article
- 1.4 On swiping last article, there is no indication to the user that they are in the last article of the section
- 1.5 Blank space in right side, in landscape mode

2. Comments

- 2.1 In full read view, in landscape mode the comments section is pop over partially hidden. User can't see "Post Comment" icon
- 2.2 With Comments pop over changing the orientation from landscape to portrait, the comments pop over disappears

3. Sharing

- 3.1 Sharing news via twitter gets a confirmation alert, but where as no acknowledgement for sharing via Facebook,
- 3.2 In full read view "Share" is non functional

4. Terms and Conditions

- 4.1 is this a content fetched dynamically form _Customer_ website?
- 4.2 It's good practise to give a link to terms n conditions of _Customer_ main website
- 4.3 Else changes need to done in all different apps terms and conditions page
- 4.4 Missing out in any app would lead to a potential law suit

5. Favourites

- 5.1 User is not able to swipe through favourite articles
- 5.2 No search option in favourites Section

6. Sudoku

- 6.1 Opening it in portrait mode hide the New and Rest options.
- 6.2 Swipe the game to make it disappear, now tapping a New game never opens one
- 6.3 In full view, user can be provided with option to choose New Game and Reset, that makes things quicker for users

7. Clearing search text

- Portrait mode
- Search for a specific text
- Clear option is not visible

8. Settings

- 8.1 Settings tap-able Icon is not very intuitive to click, looks very dull
 - 8.1.1 Tab on settings
 - 8.1.2 Select "Terms and Conditions" or "_Customer_"
 - 8.1.3 Tab on anywhere to minimize Settings
 - 8.1.4 Tab on Settings
- 8.2 Unnecessary loading animation
 - 8.2.1 Now unnecessary loading animation is shown
- 8.3 Incorrect location of Settings Action Sheet
 - 8.3.1 In Portrait, open settings
 - 8.3.2 Change the orientation to landscape
 - 8.3.3 Observe the action sheet is incorrectly located
 - 8.3.4 Open in landscape view

Oefening:

Maak een aantal test cases of verzin een lijst met test ideas in een mind map van reisplanner van de NS website. **Verzin een efficiënte manier om uw werk vast te leggen.**



Plan uw reis

Van

Naar

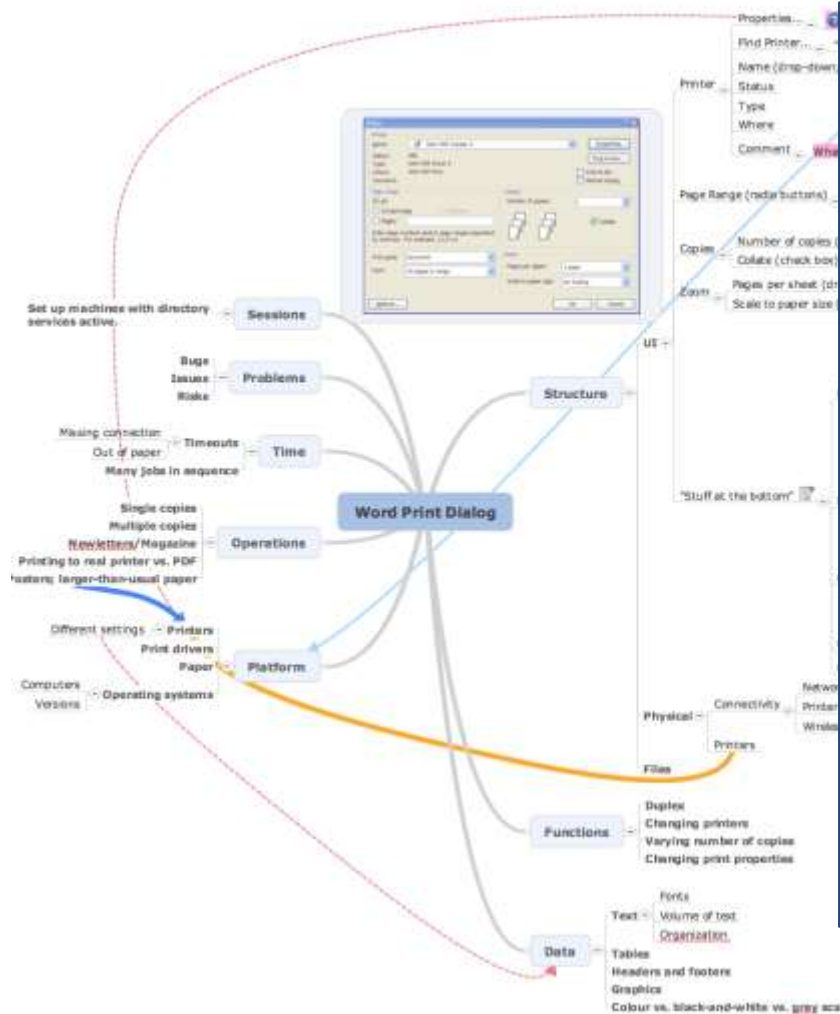
Via Station

Datum dd-mm-jjjj

Tijd : Vertrek Aankomst



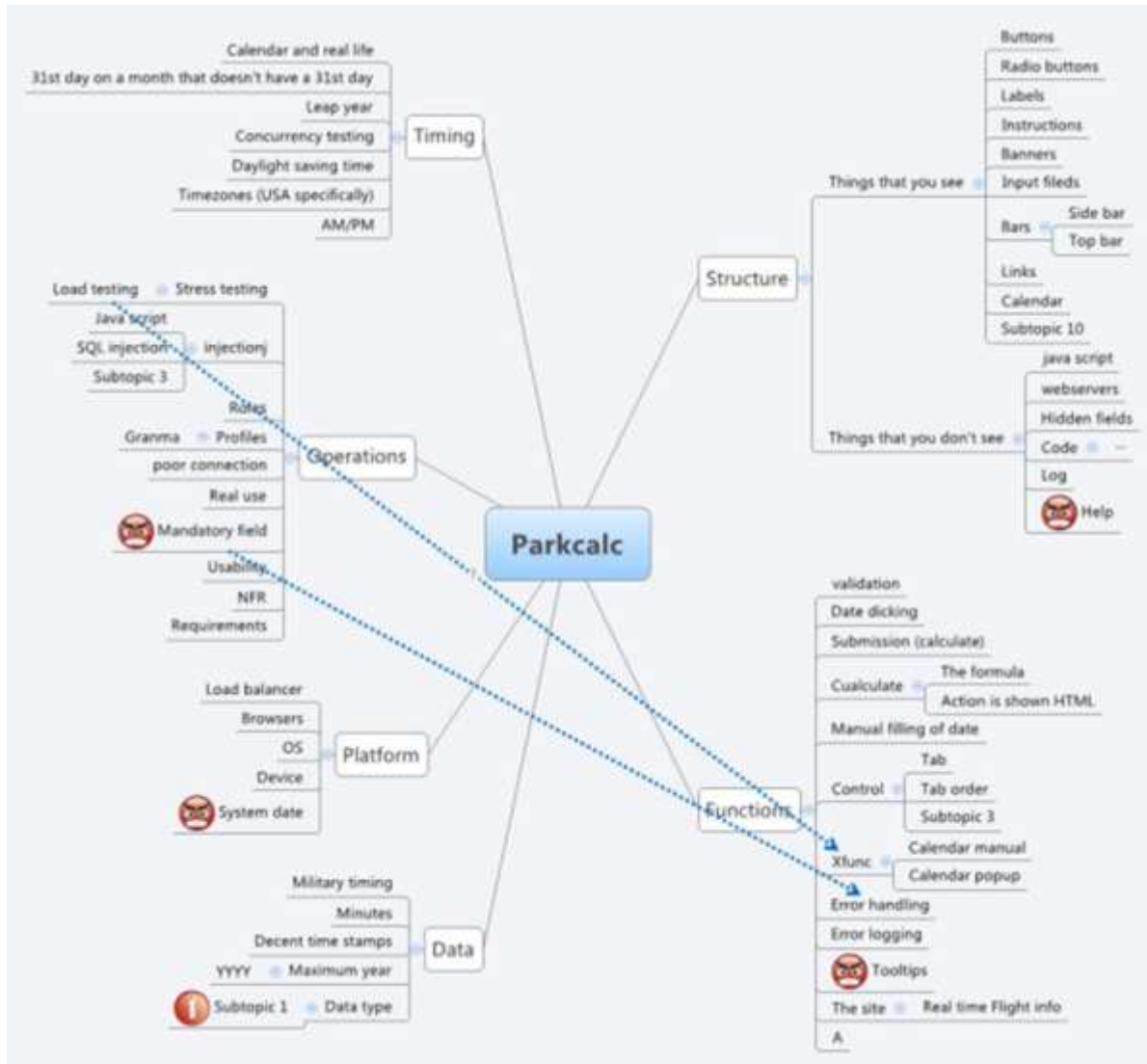
Exploratory test outline



Bron: ET workshop Rabobank International
 Door Michael Bolton (<http://developsense.com>)



Test coverage



Bron: Pekka Marjamäki, Nordic Testing Days 2012



Coverage rapport



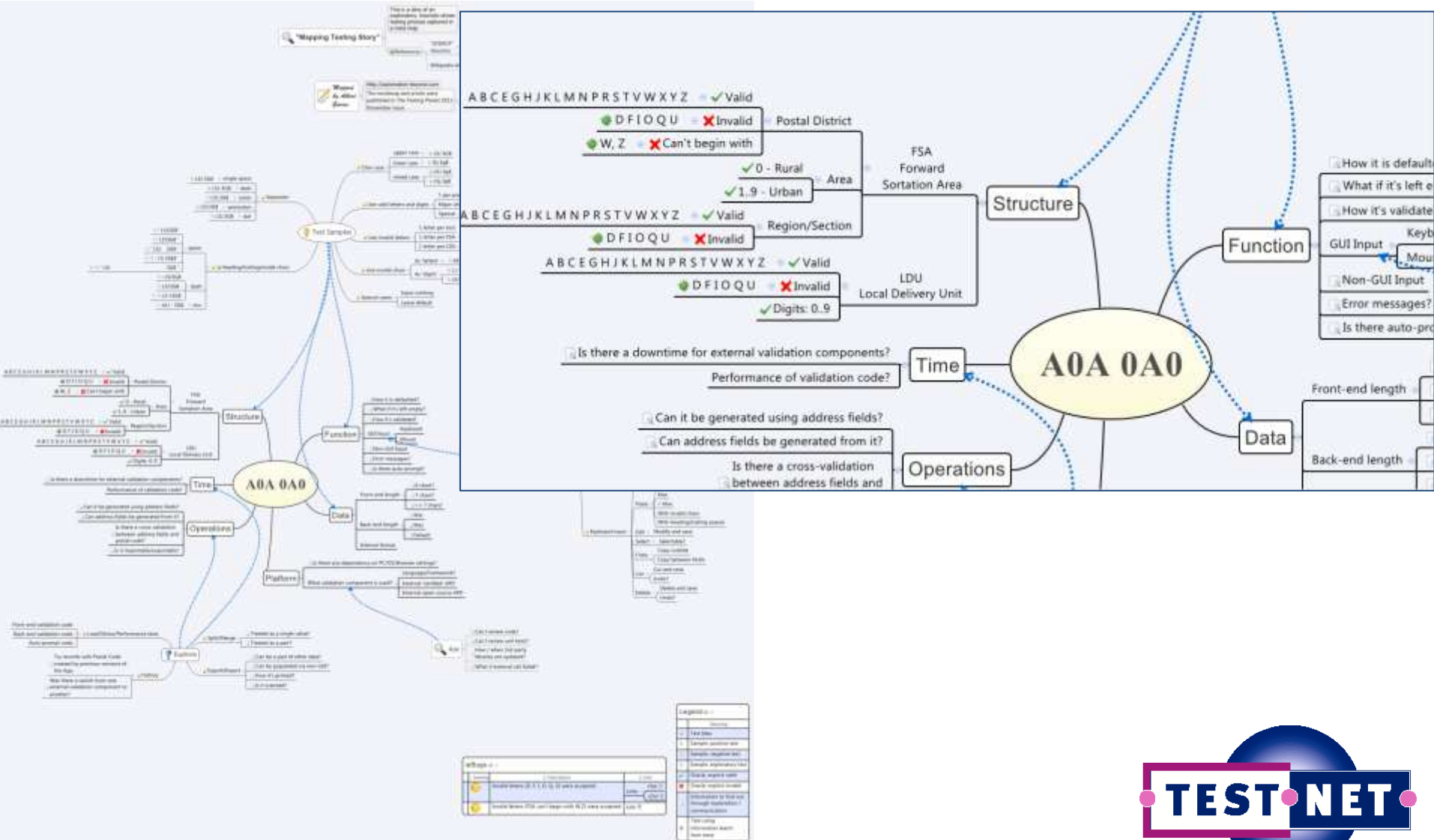
1 Functionaliteit C

- ✓ Functie C1 - ✓ Test case C1.1
- ⏸ Functie C2 - 📄 Test case C2.1
- 💣 Functie C3 - ✓ Test case C3.1
- ✗ Test case C2.1
- Start Test case C3.1

Requirement A

- Testset A1 - ✓ Test case A1.1
- Test case A1.2
- Testset A2

Test rapportage



Andere toepassingen

- CV
- Brainstorm: praatplaat
- Notulen / gespreksverslag
- Samenvatten
- Websites
- Presentaties voorbereiden
- Boeken schrijven
- Procedure vastleggen
- Etc.



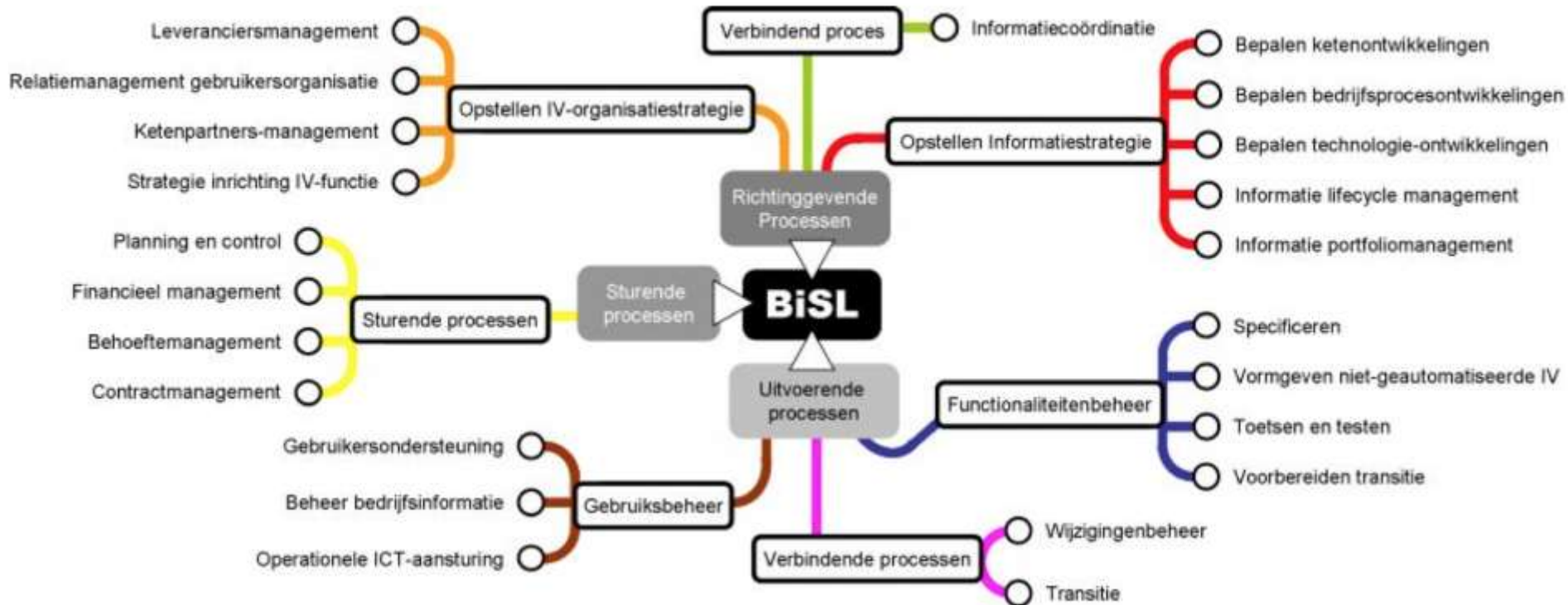


Brainstorm

Notulen

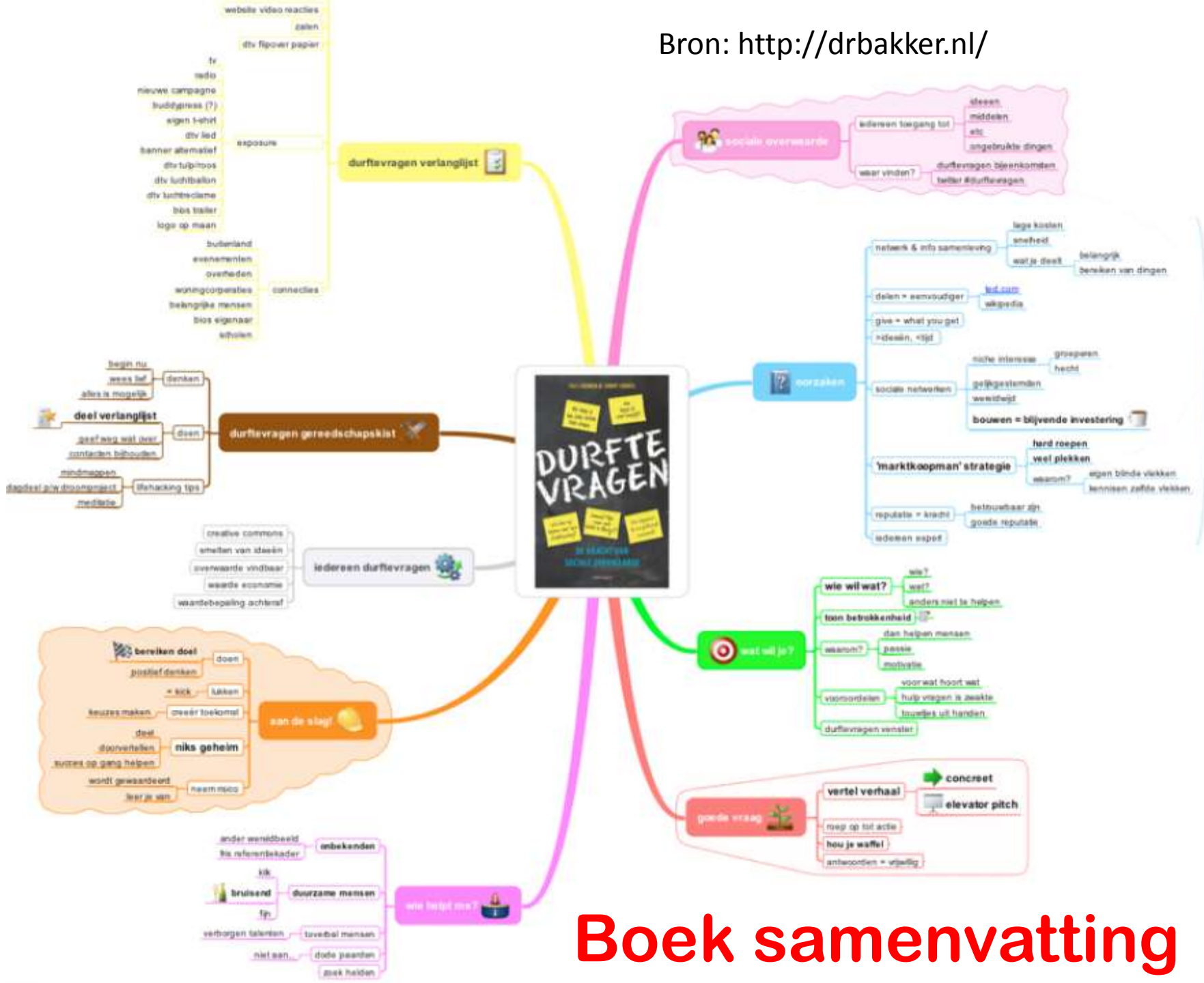


Samenvatting



Bron: <http://www.raamstijn.nl/eenblogjeom/>





Boek samenvatting

Goal:
 explain how risk measurements are used in
 and across different business areas and outline
 the major difficulties faced in measuring risk

If a risk variable X moves by an amount Y,
 how much money will be made/lost?

Quantitative risk measurements

Volatility, or likelihood of changes

Standard - expected standard deviation

$$\sigma_{\text{annual}} = \sigma_n \sqrt{n} \quad \text{or} \quad \sigma_n = \sigma_{\text{annual}} \sqrt{\frac{1}{n}}$$

Where:

σ_{annual} = annualized volatility
 σ_n = volatility for periods of length n
 n = number of periods per year

Period	Convert from annual	Convert to annual
6-monthly	$\sigma_{6m} = \sigma_{\text{annual}} \times \sqrt{\frac{1}{2}}$	$\sigma_{\text{annual}} = \sigma_{6m} \times \sqrt{2}$
Quarterly	$\sigma_{\text{quarterly}} = \sigma_{\text{annual}} \times \sqrt{\frac{1}{4}}$	$\sigma_{\text{annual}} = \sigma_{\text{quarterly}} \times \sqrt{4}$
Monthly	$\sigma_{\text{monthly}} = \sigma_{\text{annual}} \times \sqrt{\frac{1}{12}}$	$\sigma_{\text{annual}} = \sigma_{\text{monthly}} \times \sqrt{12}$
Weekly	$\sigma_{\text{weekly}} = \sigma_{\text{annual}} \times \sqrt{\frac{1}{52}}$	$\sigma_{\text{annual}} = \sigma_{\text{weekly}} \times \sqrt{52}$
Daily	$\sigma_{\text{daily}} = \sigma_{\text{annual}} \times \sqrt{\frac{1}{252}}$	$\sigma_{\text{annual}} = \sigma_{\text{daily}} \times \sqrt{252}$

Volatility conversion

Sensitivity = Basis risk

Risk Measurement

Samenvatting lesstof





brainual software testing services

Website

Home

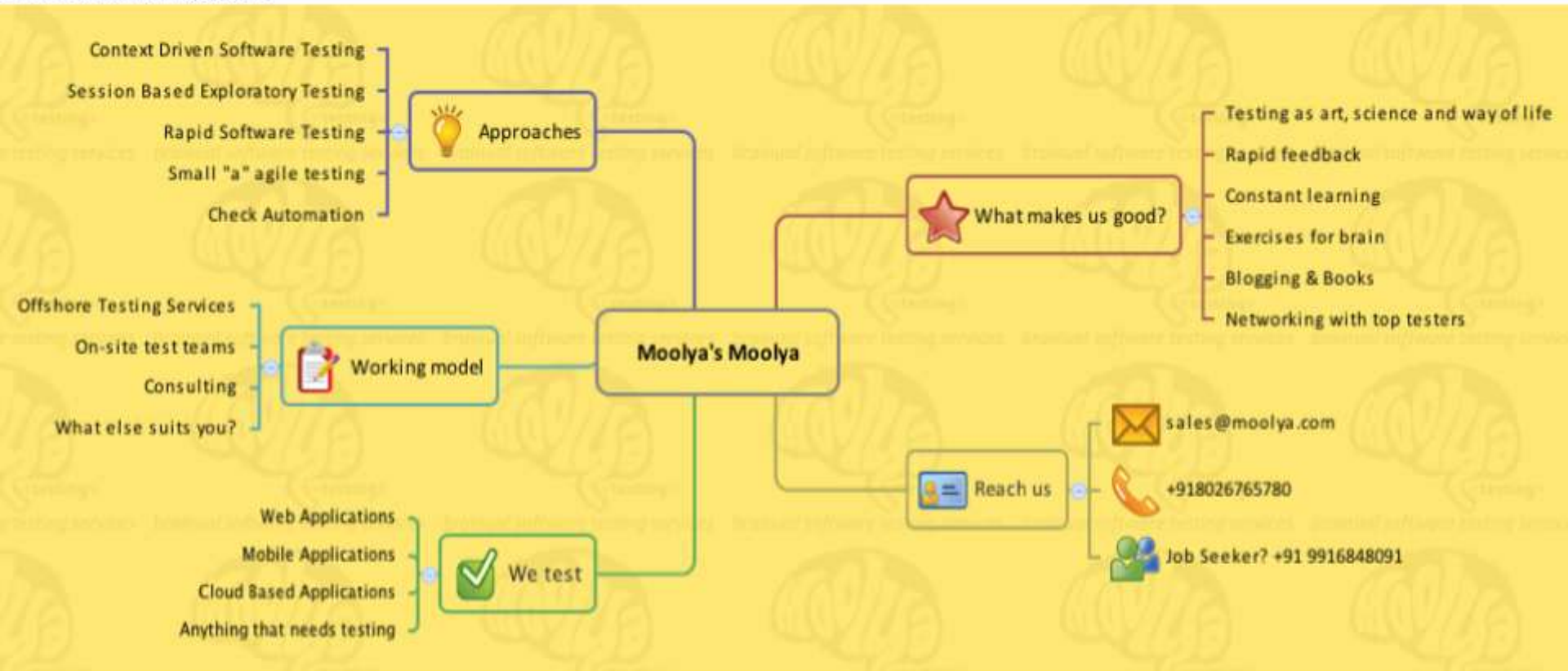
About

Services

Blog

Careers

Contact



OTHERS FROM DIFFERENT ARE WE

We have an extreme competitive edge over others. We understand where your costs are burnt. We... [Read More](#)



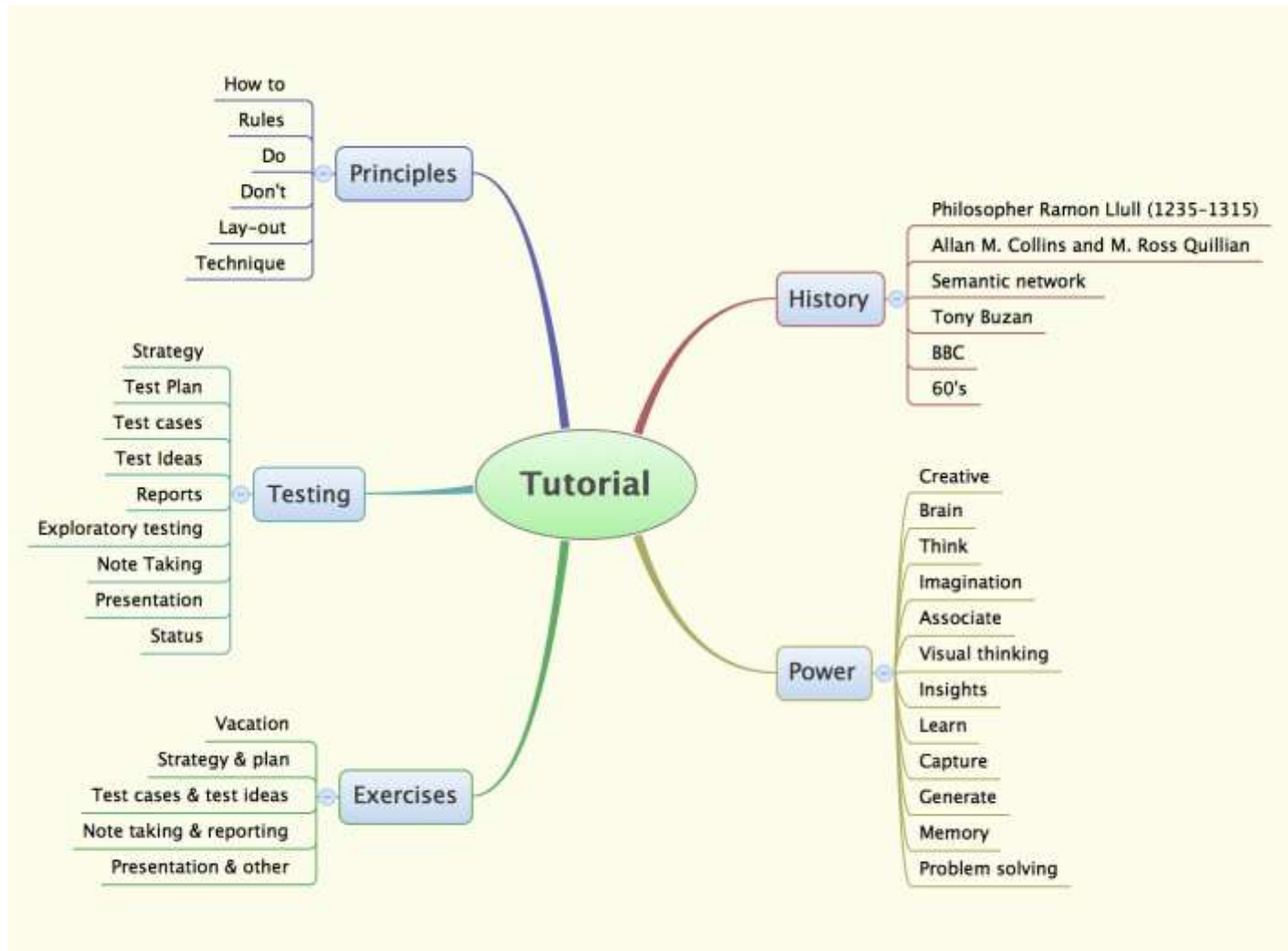
HOW WE HIRE TESTERS?

We want to make Moolya Testing a dream company for aspiring good testers. We have... [Read More](#)



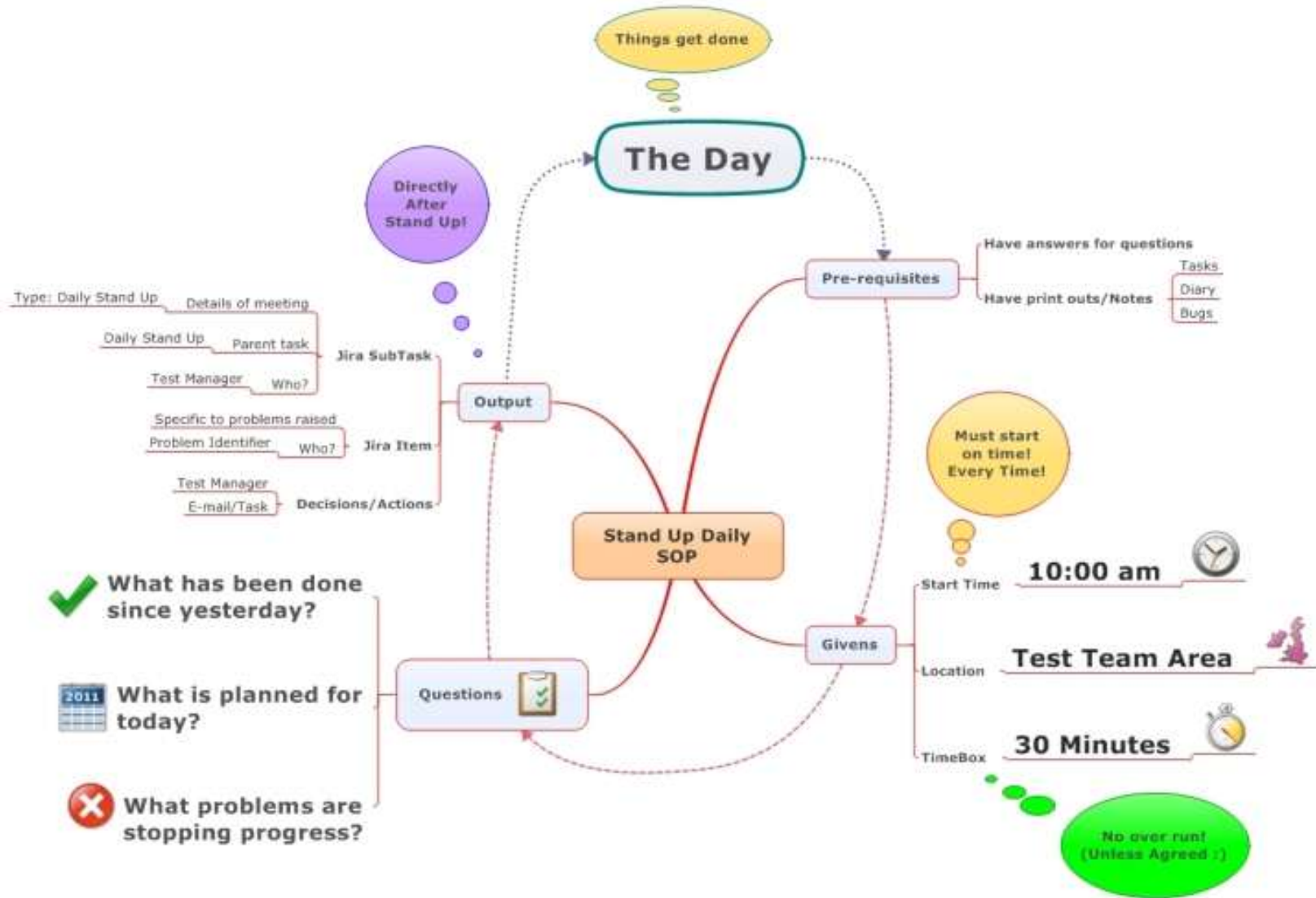
FOUNDING TEAM

We earlier wrote this section under heading "management" and then thought that would ... [Read More](#)



Vorbereitung presentatie





Procedure

Acknowledgements

- Deze tutorial is gemaakt door Jean-Paul Varwijk en Huib Schoots
- Het materiaal is tot stand gekomen met medewerking van: Darren McMillan, Michael Bolton, Albert Gareev, Pradeep Soundararajan, Aaron Hodder, Pekka Marjamäki, Ivor McCormack
- Dit materiaal zal zich in de komende tijd verder ontwikkelen. Aanvullingen en opmerkingen zijn welkom!



Jean-Paul Varwijk



<http://arborosa.org>



varwijk@gmail.com



@arborosa



Huib Schoots



<http://www.magnifiant.com>



huib.schoots@gmail.com



@huibschoots

