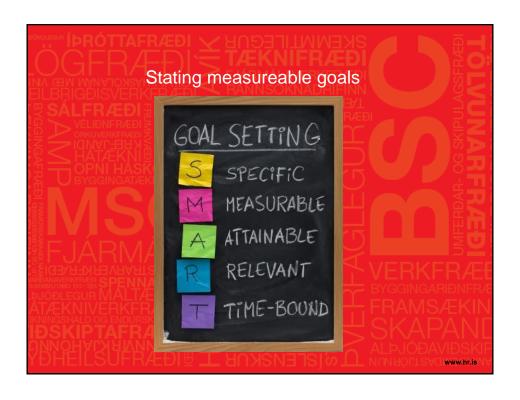


Overview of this lecture

- Stating measurable goals
- Stating measurable usability goals
 - Effectiveness
 - Efficiency
 - Satisfaction
- Keeping track of usability goals
- Reading
 - ID 1.7, 14.3.1, 15.2







Are these measurable goals?

- I want to sleep well
- I want to get 1 hours of deep sleep each night
- I want to get 1 hours of deep sleep each night for the next month
- I want to be in better condition
- I want to walk 10.000 steps each day
- I want to walk at least 10.000 steps each day for the next two months





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S - Specific

Be specific! There's no use in setting a generic goal because it won't suit you personally, however if you adapt the goal to apply to what you need, then it will be much more valuable to you. Of course you want to prosper in your field of work, but isn't everyone in the office thinking the same?

M - Measurable

Is it quantifiable? For instance going back to the example objective of selling more, you can measure this by the amount of units sold. Being a measurable goal allows you to identify when exactly it has been reached, i.e. what you desire as the end result

A - Achievable

The point of a target is to challenge and motivate yourself to complete a piece of work, if you was to set your target too high it can cause stress and so decreasing the chance of your target actually being within reach. Likewise if a target was too easy will inhibit you from pushing yourself and doing more. Setting yourself a reasonable target is crucial!









 $\underline{https://www.professionalacademy.com/blogs-and-advice/what-are-smart-objectives-and-how-do-i-apply-them}$

R - Realistic

'I'm going to own a multimillion pound enterprise by the end of the month' Might be a tad too ambitious, don't get me wrong ambition is a leading trait, but maybe start off with something more realistic, remember all successful business people don't just become successful overnight.



T- Timehound

Deadlines. Not something we like, but something most of us need. Especially if you're someone like me, who tends to procrastinate. For example, if you're sat at your desk knowing you have work to do, it's easy to get lost in the world of the internet looking at cute animal photos or funny videos, but what if you were to say 'Right, by 2 o'clock I want to have completed...' then you've just motivated yourself to complete a job by an allotted time.





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Stating Goals

An objective of 1000 customers buying from our webshop



An objective of 1000 **unique** customers **a month** buying from our webshop **by Q3 2017**



 $\frac{https://www.professionalacademy.com/blogs-and-advice/what-are-smart-objectives-and-how-do-i-apply-them}{} \\$





EFFECTIVENESS

Accuracy and completeness with which users achieve specified goals



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Mesureable Effectiveness Goal

We focus on:

Completeness with which users achieve specified goals

Three questions:

- How many users do we think will complete? (100%, 90%, 80%)
- 2. What user group are we talking about? (from the list of user groups)
- 3. What goals are we talking about? (from the list of use cases)

An example:



More than 80% of foreign students will be able to find the recipe they want during user testing

The Format – Effectiveness goal

More than < # > % of <user group> are able to complete < use case>

Examples:

- More than 90% of English speaking students are able to complete finding a recipe
- More than 75% of German speaking students are able to complete find the cheapest ingredience



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More than 90% of English speaking students are able to compete finding a recipe









- Task for users: Find the recipe for MonkFish in the app
- Ask at least 5 users to solve it
- · Register how many users complete

Users English speaking user 1 English speaking user 2 English speaking user 3 English speaking user 3 English speaking user 4 English speaking user 4 English speaking user 5 Completed English speaking user 5 Is this goal fullfilled? • More than 90% of English speaking students are able to find a recipe



Mesureable Efficiency Goa

Resources used in relation to the results achieved

Five questions:

- 1. Who are the users?
 - All user groups or a particular user group
- 2. What is the specified goal of the user?
 - From the list of use cases
- 3. What type of resources are we measuring?
 - Particular time, mouse clicks, number of problems, ...
- 4. What is the numerical limit?
 - Less than, less than or equal, equal, more than or equal, more than
- 5. Do we define the limit on average or precisely?
 - English speaking students **are able to** find a recipe **using** less than 2 min on average



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The Format – Efficiency goal

<user group> are able to < use case> in in resource> <on average/precisely>

More examples:

- English speaking students are able to find a recipe they want in less or precisely 3 minutes on average
- German speaking students are able to find the cheapest ingredience in less than 3 mouse clicks precisely

For the Efficiency goals we only look at the users that completed the task



English speaking students **are able to** find a recipe they want **using** less or precisely 3 minutes on average









- Task for user: Find the recipe for MonkFish in the app
- · Ask at least 5 users to solve it
- · Measure the time

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If these were the results

Users	Find a recipe	Time
English speaking user 1	Completed	03:00
English speaking user 2	Completed	02:30
English speaking user 3	Completed	03:30
English speaking user 4	Not completed	05:00
English speaking user 5	Completed	03:00
English speaking user 3 English speaking user 4	Completed Not completed	03:3

Is this goal fullfilled?

 English speaking students are able to find a recipe they want using less or precisely 3 minutes on average



Another Efficiency Goal

- A user should be able to find a GSM number in 3 clicks or less
- Task for the user: Find the GSM number for Marta Kristín Lárusdóttir
 - www.ja.is







Satisfaction goals

Questions:

- 1. Who are the users?
 - All user groups or a particular user group
- 2. What responses do we want to measure?
 - a rating of the overall satisfaction, a rating of if they want to use the system again,?
- 3. What is the limit?
 - Average, all above the target,
 - What is the numerical value we are targeting?
- 4. Is it on a particular scale?
 - 1 5 scale, 1 10 scale,

Example:

1. English speaking students **rate** their overall satisfaction of the system above 4 on average on a 1-5 scale



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The Format – Satisfaction goal

<user group> rate < the satisfaction factor> <on average/precisely> on a scale < # - #>

Examples:

- English speaking students rate their overall satisfaction above 4 on average on a scale of 1 - 5
- German speaking students rate their overall satisfaction above 8 precisely on a scale of 1 - 10



After User Testing

- We ask:
 - Rate your overall satisfaction on a a scale from 1 5:
- If these were the results:

Users	Rating
English speaking user 1	3
English speaking user 2	4
English speaking user 3	4
English speaking user 4	5
English speaking user 5	3

- Is this goal fullfilled?
 - English speaking students rate their overall satisfaction above 4 on average on a scale of 1 - 5





Summary of Goals

Effectiveness

- 90% English speaking students are able to find a recipe
- 75% of German speaking students are able to find the cheapest ingredience

Efficiency

- English speaking students are able to find a recipe they want using less or precisely 3 minutes on average
- German speaking students are able to find the cheapest ingredience using less than 3 mouse clicks

Satisfaction

- English speaking students rate their overall satisfaction above 4 on a scale of 1 - 5
- German speaking students rate their overall satisfaction above 8 precisely on a scale of 1 – 10



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Good to Keep Track of the Status of the Goals

Usability/UX Goal	Factor	Value no	Fullfilled
More than 90% English speaking students are able to find a			
recipe	Effectiveness	80%	No
More than 75% of German speaking students are able to find			
the cheapest ingredience	Effectiveness	85%	Yes
English speaking students are able to find a recipe they want			
using less or precisely 3 minutes on average	Efficiency	03:00	Yes
German speaking students are able to find the cheapest ingredience using less than 30 seconds precisely	Efficiency	3,5	No
English speaking students rate their overall satisfaction above 4 on average on a scale of 1 - 5	Satisfaction	3,8	No
German speaking students rate their overall satisfaction above 8 precisely on a scale of 1 – 10	Satisfaction	7,5	No



The process

- 1. Set measureable goals for usability
- 2. Prepare usability testing to test if we have reached the goal or not
 - The usability test has to be designed according to the goals
- 3. Gather the data to be able to check if we fullfill the goals
- 4. Calculate the results
- 5. Check, if we reached the goal or not
- 6. Decide what to do, redesign or deliver?



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All Hoore or not

We can use our analysis from requirements phase

	Námsmenn vegna lána	Greiðendur námslána	Jöfnunarstyrkþegar	Umboðsmenn	ábyrgðarmenn	Aðrir notendur
Fá svör við: hvernig á að sækja um lán	x					
Fá svör við: hvernig kjörin eru	×					
Fá svör við: hvenær kemur lán til útborgunar	x					
Fá svör við: hvaða nám er lánshæft	×					
Fá svör við: ábyrgðir á lánum	×	х				
Ferlið frá a - ö (umsókn, útborgun, afborganir,)	×					
Upphæðir og gjalddagar afborgana		х				
Hve lengi standa endurgreiðslur yfir		х				
Möguleikar að borga upp lán		х				
Úrræði vegna greiðsluerfiðleika		х				
Hvað gerist ef afborgun er ekki greidd		х				
Hvernig á að sækja um styrk			х			
Hvenær kemur styrkur til útborgunar			х			
Hvaða nám er styrkhæft			х			
Hvaða skilyrði eru fyrir styrk			х			
Upplýsingar um hlutverk umboðsmanna				х		
Hvað þurfa ábyrgðarmenn að gera				х		
Fá upplýsingar um réttindi og skyldur					х	
Almennar upplýsingar um starfsemi o.fl.						х



The whole system or particular task?

- Depends on the Usability factor
- Effectiveness
 - State goals for a particular use case
- Efficiency
 - Allways particular use case
- Satisfaction
 - The whole system



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The Usability Goals are Requirements

• Should be stated in the Requirement list

Number Name User group Priority Additional info Additional info Name User group Priority Additional info Name Nam					
Seed in an order for each week for the ingreedences of meals Classic A Use case description #5	Number	Name	User group	Priority	Additonal info
classic A Use case description #5 Check what was ordered for a particular week both past in time and in the future. Check what was ordered for a particular week both past in time and in the future. Rate a particular recipe of how tasty it was Check how others rated a particular recipe Wegan, paleo, keto, classic A Use case description #5 Wegan, paleo, keto, classic Stay: Stay: Stay: Stay: Stay: Stay: Classic users can ead in an order for each week for the ingreediences of cemeals Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, classic Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, classic Effectiveness goal - use case #5 Efficiency goal - use case #5		Sand in an order for each week for the ingreediences of meals	Vegan, paleo, keto,		
classic S Rate a particular recipe of how tasty it was Vegan, paleo, keto, S Check how others rated a particular recipe Vegan, paleo, keto, S Make a new ingredience/recipe/group of recipes that the customers are abily to Employee A Use case description #3 Wegan, paleo, keto, Check how others can be can be cash week for the ingreediences of meals Vegan, paleo, keto, Chassic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, Classic users can send in an order for each week for t	1	Send in an order for each week for the higheediences of means	classic	A	Use case description #5
Classic B			Vegan, paleo, keto,		
Check how others rated a particular recipe 4 Check how others rated a particular recipe 4 Mate a new ingredience/recipe/group of recipes that the customers are abily to provide a company of the compa	2		classic	В	
Classic B	3		Vegan, paleo, keto,		
Check now others rated a particular recipe classic B			classic	В	
Make a new ingredience/recipe/group of recipes that the customers are abity to 5 buy Shuy Shuy		Check how others rated a particular recine	Vegan, paleo, keto,		
S buy Employee A Use case description #3 90% of classic users can send in an order for each week for the ingreediences of meals Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, classic Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, classic Efficiency goal - use case #5 Efficiency goal - use case #5	4	Check now others rated a particular recipe	classic	В	
90% of classic users can send in an order for each week for the ingreediences of Vegan, paleo, keto, classic Effectiveness goal - use case #5 Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, classic Efficiency goal - use case #5 7 less than 1 minute on average Efficiency goal - use case #5					
6 meals classic Service Classic classic Service Classic Classic Service Servic	5	buy	Employee	A	Use case description #3
Classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, classic users can send in an order for each week for the ingreediences of meals in Vegan, paleo, keto, classic Efficiency goal - use case #5		90% of classic users can send in an order for each week for the ingreediences of	Vegan, paleo, keto,		
7 less than 1 minute on average classic Efficiency goal - use case #5	6	meals	classic		Effectiveness goal - use case #5
			Vegan, paleo, keto,		
4	7	less than 1 minute on average	classic		Efficiency goal - use case #5
All users rate their overall satisfaction higher than 4 on average on a scale from 1 - Vegan, paleo, keto,		All users rate their overall satisfaction higher than 4 on average on a scale from 1 -	Vegan, paleo, keto,		
8 5 classic Satisfaction goal	8	5	classic		Satisfaction goal



Summary

- Stating measurable goals
- Stating measurable usability goals
 - Effectiveness
 - Efficiency
 - Satisfaction
- Keeping track of usability goals

