

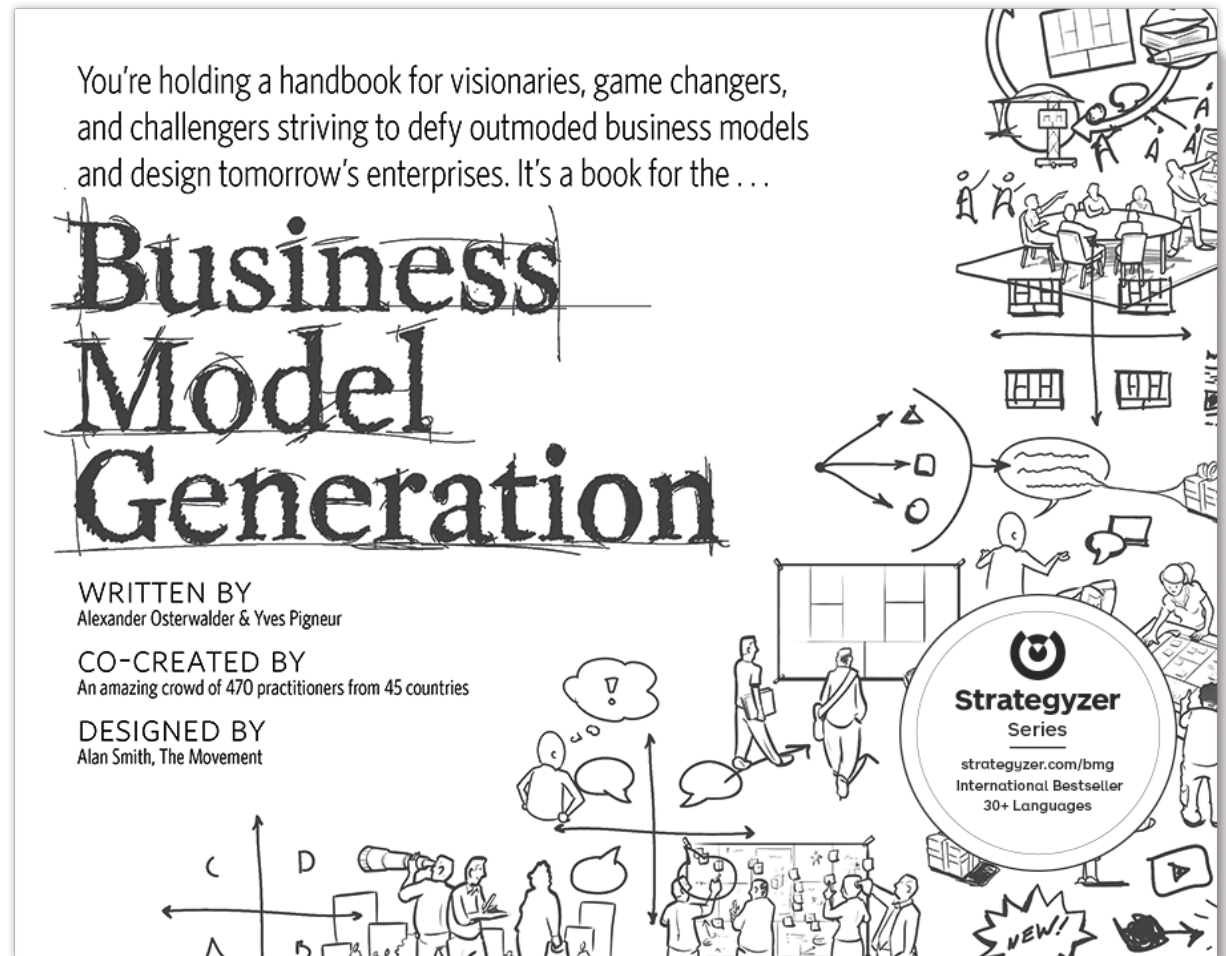
# Requirements Engineering: Special Feature

Business Model Canvas,  
Goal Models, System Visions

# Business Model Canvas

<http://www.businessmodelgeneration.com/canvas/bmc>

Serves to  
communicate  
a new  
business idea



# Business Model Canvas – Template










## The Business Model Canvas

Designed for:

Designed by:

Date:

Version:

<p><b>Key Partners</b> </p> <p>Who are our Key Partners? Who are our key suppliers? Which Key Resources are we acquiring from partners? Which Key Activities do partners perform?</p> <p><b>MOTIVATIONS FOR PARTNERSHIPS</b> Optimization and economy Reduction of risk and uncertainty Acquisition of particular resources and activities</p>	<p><b>Key Activities</b> </p> <p>What Key Activities do our Value Propositions require? Our Distribution Channels? Customer Relationships? Revenue streams?</p> <p><b>CATEGORIES</b> Production Problem Solving Platform/network</p>	<p><b>Value Propositions</b> </p> <p>What value do we deliver to the customer? Which one of our customer's problems are we helping to solve? What bundles of products and services are we offering to each Customer Segment? Which customer needs are we satisfying?</p> <p><b>CHARACTERISTICS</b> Newness Performance Customization "Getting the Job Done" Design Brand/status Price Cost Reduction Risk Reduction Accessibility Convenience/usability</p>	<p><b>Customer Relationships</b> </p> <p>What type of relationship does each of our Customer Segments expect us to establish and maintain with them? Which ones have we established? How are they integrated with the rest of our business model? How costly are they?</p> <p><b>EXAMPLES</b> Personal assistance Dedicated Personal Assistance Self Service Automated Services Communities Co-creation</p>	<p><b>Customer Segments</b> </p> <p>For whom are we creating value? Who are our most important customers?</p> <p>Mass Market Niche Market Segmented Diversified Multi-sided Platform</p>
<p><b>Key Resources</b> </p> <p>What Key Resources do our Value Propositions require? Our Distribution Channels? Customer Relationships? Revenue Streams?</p> <p><b>TYPES OF RESOURCES</b> Physical Intellectual (brand, patents, copyrights, data) Human Financial</p>		<p><b>Channels</b> </p> <p>Through which Channels do our Customer Segments want to be reached? How are we reaching them now? How are our Channels integrated? Which ones work best? Which ones are most cost-efficient? How are we integrating them with customer routines?</p> <p><b>CHANNEL PHASES</b> 1. Awareness How do we raise awareness about our company's products and services? 2. Evaluation How do we help customers evaluate our organization's Value Proposition? 3. Purchase How do we allow customers to purchase specific products and services? 4. Delivery How do we deliver a Value Proposition to customers? 5. After sales How do we provide post-purchase customer support?</p>		
<p><b>Cost Structure</b> </p> <p>What are the most important costs inherent in our business model? Which Key Resources are most expensive? Which Key Activities are most expensive?</p> <p><b>IS YOUR BUSINESS MORE</b> Cost Driven (lowest cost structure, low price value proposition, maximum automation, extensive outsourcing) Value Driven (focused on value creation, premium value proposition)</p> <p><b>SAMPLE CHARACTERISTICS</b> Fixed Costs (salaries, rents, utilities) Variable costs Economies of scale Economies of scope</p>		<p><b>Revenue Streams</b> </p> <p>For what value are our customers really willing to pay? For what do they currently pay? How are they currently paying? How would they prefer to pay? How much does each Revenue Stream contribute to overall revenues?</p> <p><b>TYPES</b> Asset sale Usage fee Subscription Fees Licensing/leasing/Licensing Licensing Strategic fees Advertising</p> <p><b>FIXED PRICING</b> List Price Product feature dependent Customer segment dependent Volume dependent</p> <p><b>DYNAMIC PRICING</b> Negotiation (bargaining) Yield Management Real-time Market</p>		



DESIGNED BY: Business Model Foundry AG  
The makers of Business Model Generation and Strategyzer

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Check BeachBoard for template in original resolution.

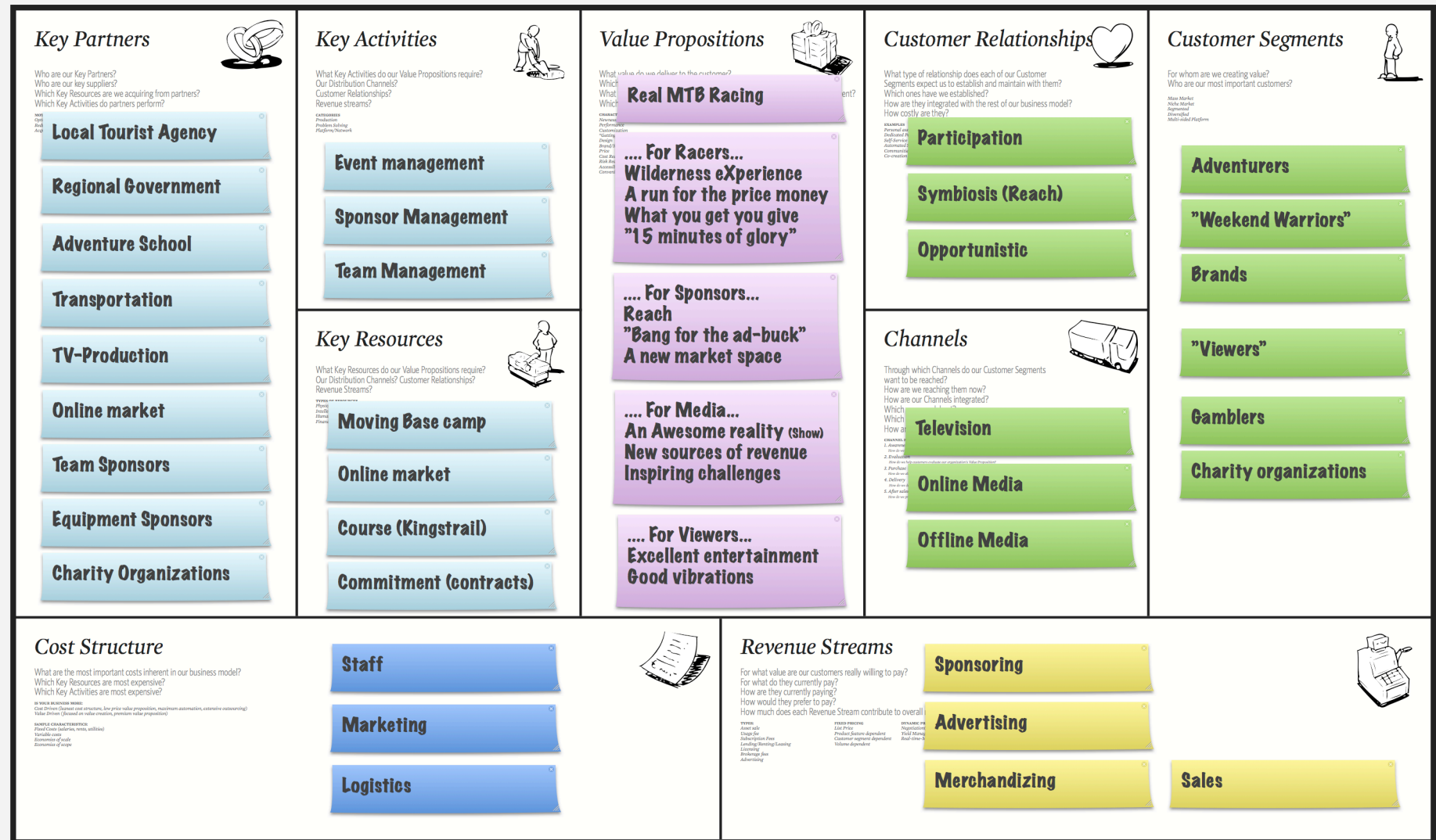
# Business Model Canvas – Example

## The Business Model Canvas

Designed for:  
Trans Sweden MTB Stage Race

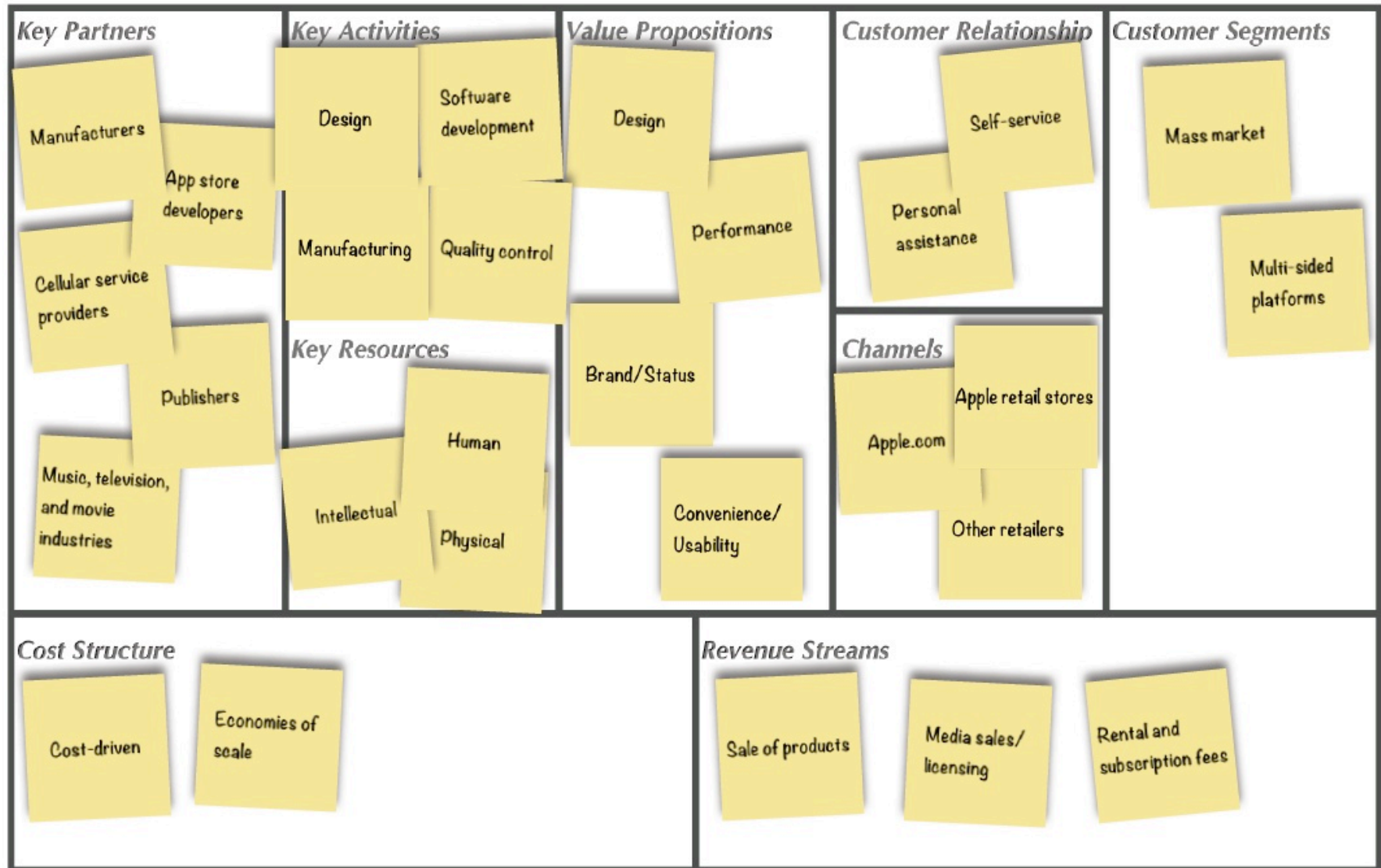
Designed by:  
Jörgen Dahlberg

On: Day 20 Month 10 Year 2010  
Iteration: No. 2



# Business Model Canvas – Example 2

Business Model Canvas: Apple




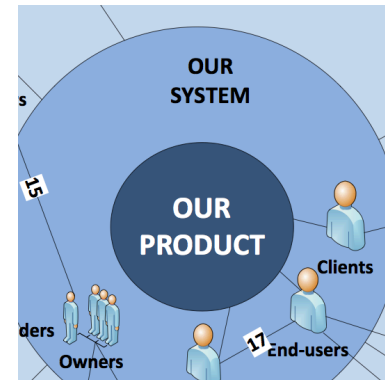
# Stakeholder Model - Feedback

- Not done yet, but looks good in general.
- Please submit 1 pdf file. Really.
- Put our course on the title page: Requirements Engineering – not “Selected Topics” or other course numbers...
- Please put your team on the title page.
- Make the product/service known.  
(not as example where it's called ‘our system’)



## CECS 546 Fault Tolerance Computing Systems Final Report

**Assignment:** Stakeholder Model



289986-120205 - Group [redacted]  
[redacted] - Mar 2, 2015  
516 PM -  
Stakeholder\_Beach\_Cops.7z  
401 KB  
Last modified Mar 3, 2015, 1:16:28 AM

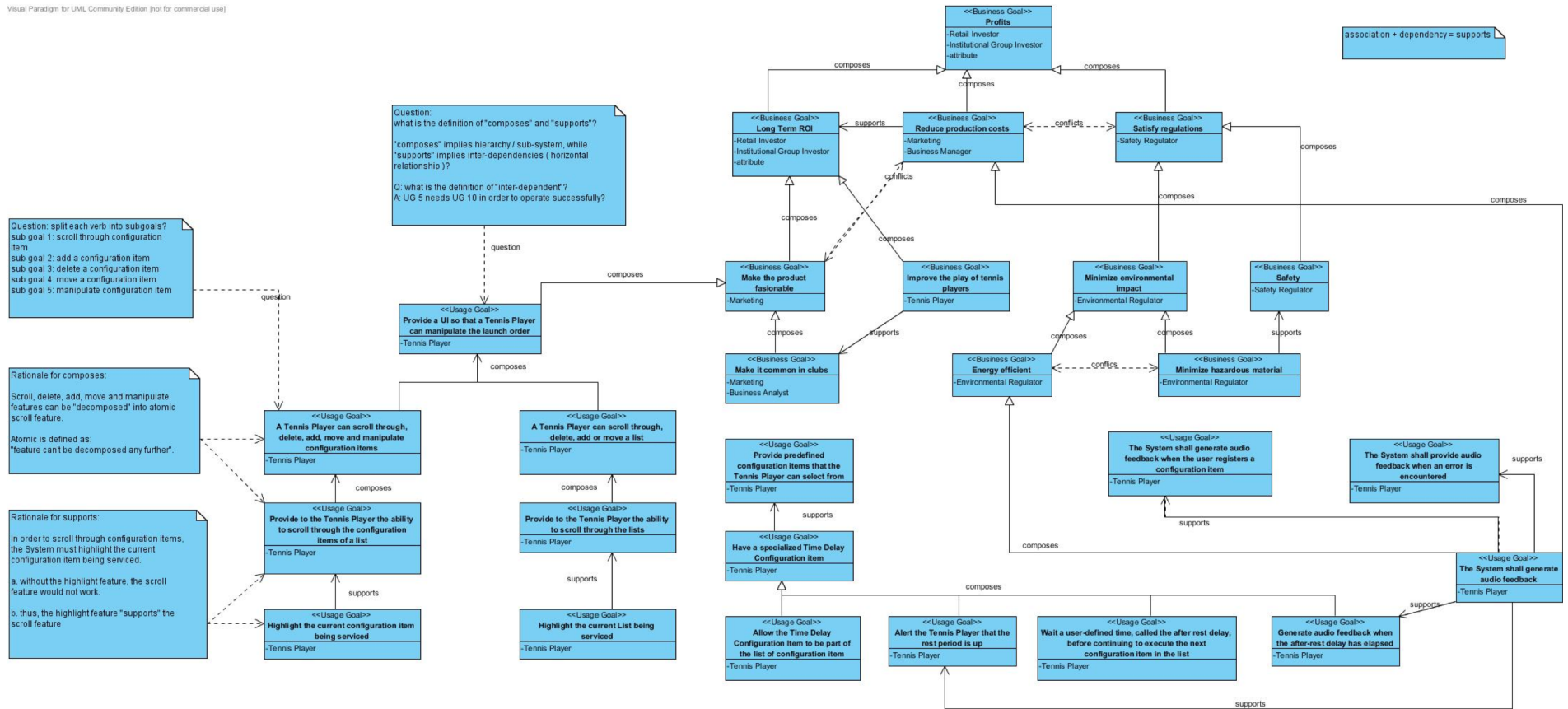
# Goal Model

- I received one draft submission! Feedback questions:
- 1. are the boxes labelled with the correct relationship? There are 2 "question boxes" on the left hand side of the diagram
- 2. there is also a box for "Rationale for composes". This box explains the thought process of why chose "composes" rather than "supports". This box is also on the left hand side.
- 3. what if the usage goals do not conflict? Should there be a minimum number of conflicting usage goals?



# Goal Model

Visual Paradigm for UML Community Edition [not for commercial use]





# Goal Model – Tips

- Make it easy to read – the models get large.
- Use white space wisely
- Make hierarchies well visible in the layout
- Consider color coding to make it easier to read
- Make a pdf with high resolution

# System Vision

**Table 1. Elements of an Effective Rich Picture**

<b>Element</b>	<b>Comment</b>
1. Include <i>structure</i>	Include only enough structure to allow you to record the process and concerns. The latter requires that all the people who will use or could conceivably be affected by the introduction of the new system be included.
2. Include <i>process</i>	Do not attempt to record all the intricacies of process; a broad brush approach is usually all that is needed
3. Include <i>concerns</i>	Caricature the concern in a thought bubble (see Figures 1–3 for examples). A fuller explanation may be provided in a supplementary document
4. Use the language of the people depicted in it	This will make the rich picture comprehensible to your informants
5. Use any pictorial or textual device that suits your purpose	There is no correct way of drawing a rich picture. There are as many styles as analysts and the same analyst will find different styles useful in different situations

# System Vision

- Let's look at the assignment description.
- Remember:  
<http://systems.open.ac.uk/materials/T552/>

# Is this an arts class or what?



No. After the system vision, we're done with creative illustration, so make use of it 😊