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## Site Plan

### Site Description

The purpose of this document is to describe the SOAtheory.com website, its purpose and intended audience, utilization scenarios, and other aspects such as its organization and structure, elements of style, etc. It is to be used as a planning and elaboration tool for the personal site to be developed this semester as part of the CIT 230-07 course.

### Site Name

This site is going to be called **SOAtheory.com**. As the name indicates, it will be a repository of knowledge regarding Service Oriented Architectures, or SOA for short.

### Purpose Statement

The main purpose of the SOAtheory.com website will be to educate users about what Service Oriented Architectures (SOA) are, their benefits, and implementation best practices. This objective will be fulfilled through the descriptions of what an SOA is and what isn't, explanation of design principles and the main tenets of the SOA paradigm, as well as through the presentation of case studies where SOA has been implemented successfully.

A secondary purpose is to provide a source of proven implementation and design patterns for common SOA implementation challenges. This will be presented in the form of lists of patterns, withdrawn from various sources, and links to authoritative sources of SOA expertise and knowledge.

The soatheory.com website will be used to inform readers about SOA, or Service Oriented Architectures, its concepts, applications, main features, and case studies of where it has been successfully applied.

### Target Audience

The target audience of the SOAtheory.com web site is described below:

- **Who:** IT Architects, Developers, Business Stakeholders and others interested in understanding the Service Oriented Architecture design paradigm.
- **Age:** 14 to 100
- **Technology:** Modern and legacy solutions, Usually IT professionals involved in the design and implementation of Enterprise Solutions, large integrations, large enterprise infrastructures
- **Income:** Income levels will typically be between \$60,000 and above annually.
- **Motivation:** Improve knowledge of mainstream technologies and practical application of SOA in the enterprise. Improve resume and employability.

### Personas

## Christine B. Shore



- **Occupation:** Chief Operations Officer (COO)
- **Demographics and Education:** 45 years old. 'C' level executive for a major clothing retail company. Has a Masters level education in Business Administration.
- **Goals and motivation for using the site:** Learn what SOA is all about so she understands the current SOA implementation underway at her company.
- **Social:** Very active individual, loves being outdoors in the country side and seaside in northern California where she lives. Enjoys visits from her two daughters and to travel with her husband when they have a chance.
- **Technology:** Minimalist. Uses mostly her iPad Air, and her Lenovo Ultrabook. For phone device, prefers the latest Nokia Lumia due to the quality of the camera, form factor and size of screen. She uses the camera extensively when she attends fashion shows or during her travels. Uses mostly Microsoft Office software (Word, Outlook, Excel, PowerPoint).
- **Quote:** "I thrive in providing my organization with the tools necessary to quickly adapt to the needs of the business and the pressures of competition."

## Sahay Kondipali



- **Occupation:** Junior Enterprise Solutions Architect

- **Demographics and Education:** 35 years old. Works at a major airline's IT department. Holds a bachelors degree in Computer Science and several technical certifications, including The Open Group's Architecture Certification Level 2 (TOGAF Level 2).
- **Goals and motivation for using the site:** Learn what SOA is all about so she understands the current SOA implementation underway at her company.
- **Social:** Likes to visit India once a year with his wife, son, and daughter. Plays cricket with friends in the weekend. Likes to read technical books and technical blogs.
- **Technology:** Is a proud mac user with his MacBook pro for work and technical activities, and iPad for reading and lighter work. Uses a personal iPhone 6 and a work blackberry because he has to. Uses Microsoft office software for most business related activities such as email, documentation, spreadsheets, and presentations. For architecture modeling activities uses Sparx Systems Enterprise Architect, MS Visio, and Omni Graffle Professional for Mac. Also likes to program a little and for that, he uses IntelliJ Idea IDE for general Java development, and Oracle JDeveloper for ADF and Oracle SOA Suite development, in order to prototype and test ideas for architectural solutions.
- **Quote:** "The minute you hesitate you are in trouble. You need to continue to improve your skill set and your value to your employer."

## Scenarios

1. Why is SOA important to me and my organization?
2. Is there a recommended process that I would follow to plan my SOA Architecture?
3. What is the ideal SOA?
4. What are the main tenets of a SOA architecture?
5. What are some of the design principles of SOA?
6. How has SOA evolved? Can I already have the foundations for SOA in my enterprise?
7. What is a service in the context of SOA?
8. Creating all these services seems a recipe for disaster. How am I going to govern all these news services in my enterprise?
9. Where can I find examples of where SOA has been successfully implemented?
10. What are some of the most common patterns used to implement SOA?

## Content Architecture

### Content List

This section describes how each of the scenarios identified in the previous section will be met, through providing appropriate and well organized content. Each main topic will have its introductory page.

#### Scenario 1: Why is SOA important to me and my organization?

- Text explaining the importance of SOA to an organization.
- Video describing importance of SOA ([https://www.youtube.com/watch?v=7s\\_S5Hkm7z0](https://www.youtube.com/watch?v=7s_S5Hkm7z0))
- Video describing what is SOA (SOA for Dummies) by papasmurfify)

#### Scenario 2: Is there a recommended process that I would follow to plan my SOA Architecture?

- Text explaining best practices to plan a SOA architecture implementation.
- Infographic illustrating planning phases and steps within each phase.

#### Scenario 3: What is the ideal SOA?

- Text explaining what is the ideal SOA implementation, what's involved, and best practices and patterns to be followed.
- Infographic illustrating the several components of a proper SOA implementation.

**Scenario 4: What are the main tenets of a SOA architecture?**

- Text explaining the main tenets of a SOA architecture.
- Presentation by Paulo Gandra de Sousa on Principles of Service Orientation (slideshare)

**Scenario 5: What are some of the design principles of SOA?**

- Text explaining the main design principles of SOA.
- Video by Regis University College for Professional Studies on SOA Concepts (youtube.com).

**Scenario 6: How has SOA evolved? Can I already have the foundations for SOA in my enterprise?**

- Text explaining the evolution of SOA.
- Infographic showing the timeline of SOA evolution.
- Video by IBM on SOA evolution.

**Scenario 7: What is a service in the context of SOA?**

- Text explaining that is a service and how does it apply to SOA.
- Infographic showing what is a service.

**Scenario 8: Creating all these services seems a recipe for disaster. How am I going to govern all these new services in my enterprise?**

- Text describing principles of SOA Governance.
- Oracle Video describing principles of SOA Governance: <https://www.youtube.com/watch?v=K92A-CT9nnw>
- HP Video on SOA Governance: <https://www.youtube.com/watch?v=knumQhXNg-Y>

**Scenario 9: Where can I find examples of where SOA has been successfully implement?**

- List of SOA Implementation Case Studies where I have participated:
  - Office of the Secretary of State
  - Department of Rehabilitation, Training and Employment
- Each Case study will have a description of the problem, the solutions implemented, and how they were implemented. It will also contain a description of the benefits gained after the implementation.

**Scenario 10: What are some of the most common patterns used to implement SOA?**

- Text describing the list of basic patterns used in a SOA implementation.
- Links to soapatterns.org with the explanation of each patterns.

## Site Map

This section describes the basic structure of the **SOAtheory.com** website.

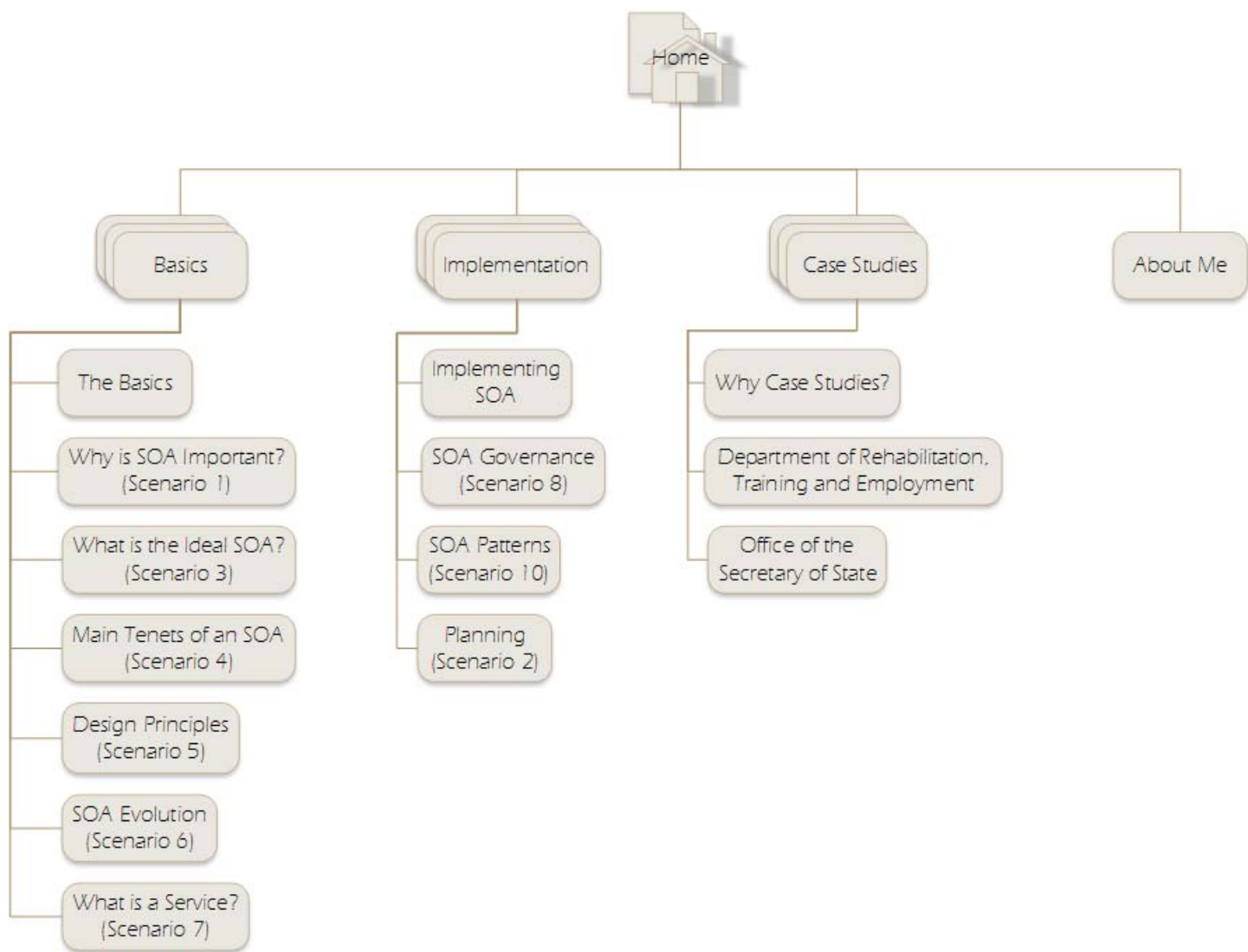


Figure 1 - **SOAtheory.com** Site Map, demonstrating the structure of the site.

## Style Guide

This section describes the visual and aesthetic plan for the SOAtheory.com web site.

### Color Scheme

Describes the background, text, links, accent(s), highlights, and logos of the **SOAtheory.com** web.

**Primary color:** #B9B90D    #6E6E10    #7F7F23    #626202    #595900  
 #B9B90D    #6E6E10    #7F7F23    #626202    #595900

**Primary color:**

Figure 2 - Color scheme for **SOAtheory.com**.

An example for visualization purposes only of how these colors can be applied in the site, can be seen below:



Figure 3 - Example page, for color scheme visualization (provided by palleton.com).

## Typography

Describes the fonts, font sizes, styles, and line height used in the **SOAtheory.com** web site.

Table shows user the color, size, and font used in each of the areas of the page template.

Object/Item	Font	Size	Color
	Helvetica		
Default Paragraph Text	Weight: Normal	15 px	#000000
	Style: Normal		
Heading Level 2 (h2)	Arial	20 px	#595900
	Helvetica		
Heading Level 3 (h3)	Weight: Bold	18 px	#595900
	Style: Normal		

	Arial
<b>Navigation Anchor Selected</b>	Weight: Normal15 px#B9B90D
	Style: Normal
	Arial
<b>Navigation Anchor Unselected</b>	Weight: Normal15 px#595900
	Style: Normal

## Navigation

Navigation will sit near the top of the page, between the header and the main elements. It will have the following characteristics:

- Selected Item: It will be green #595900 background with green #fff for the text.
- Unselected Item: Reversed color scheme, with green #B9B90D background with green #595900 for the text.
- Dropdown navigation menu will will #fff background with #000 text color..

See example below:

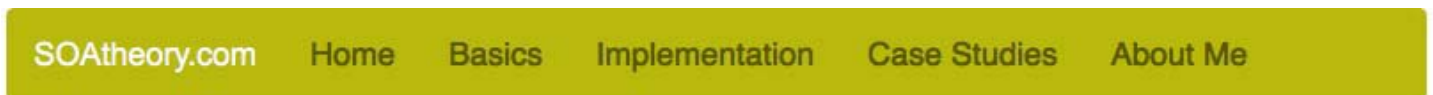


Figure 4 - Example navigation bar

## Responsiveness

This section contains examples describing the layout of the website for the various formats supported.

### Desktop and Laptop

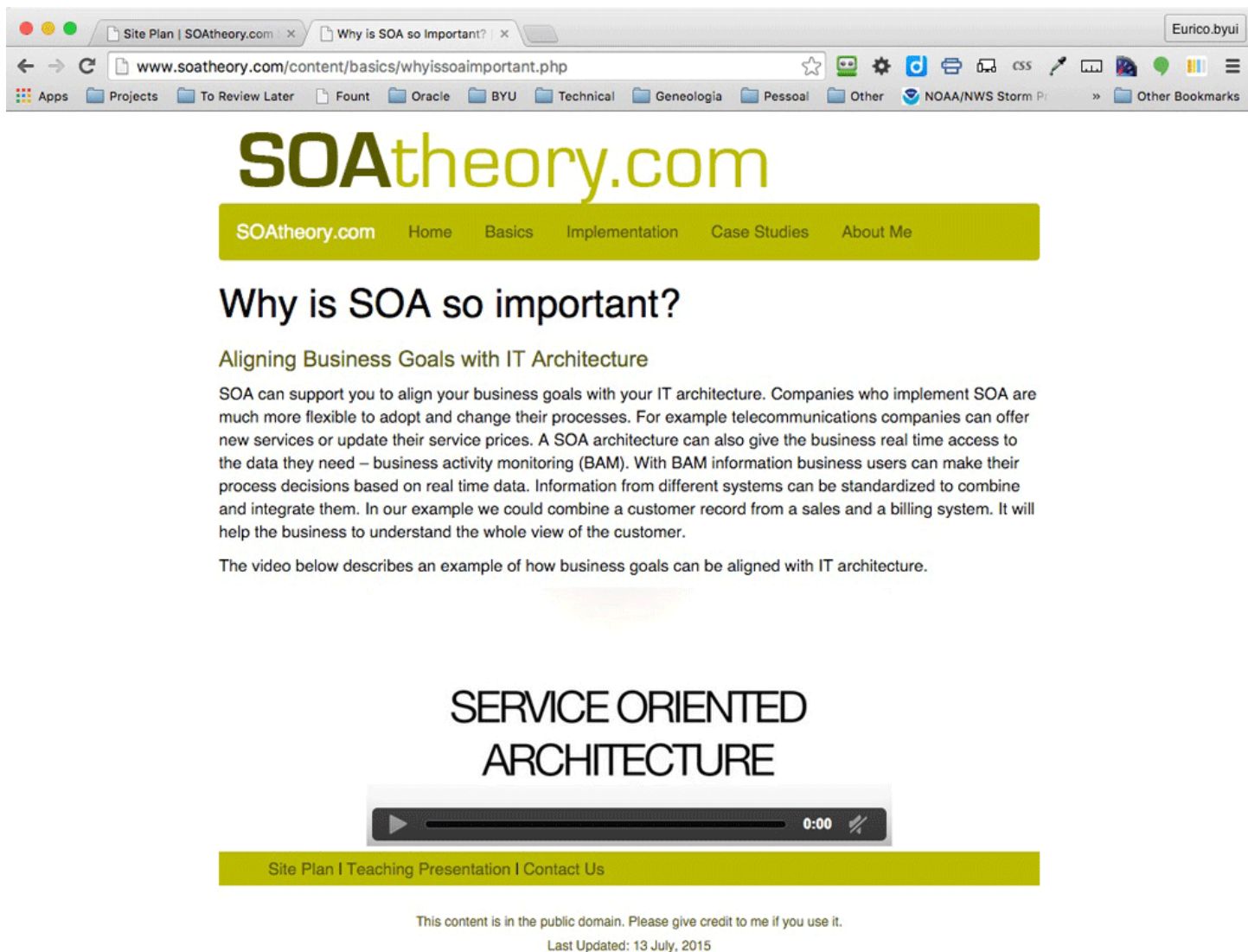


Figure 5 - Desktop/Laptop Layout

Tablet (Portrait)



**IPad** – (1536 pixels wide X 2048 pixels tall @ 264 ppi): Example – *Ipad 3*

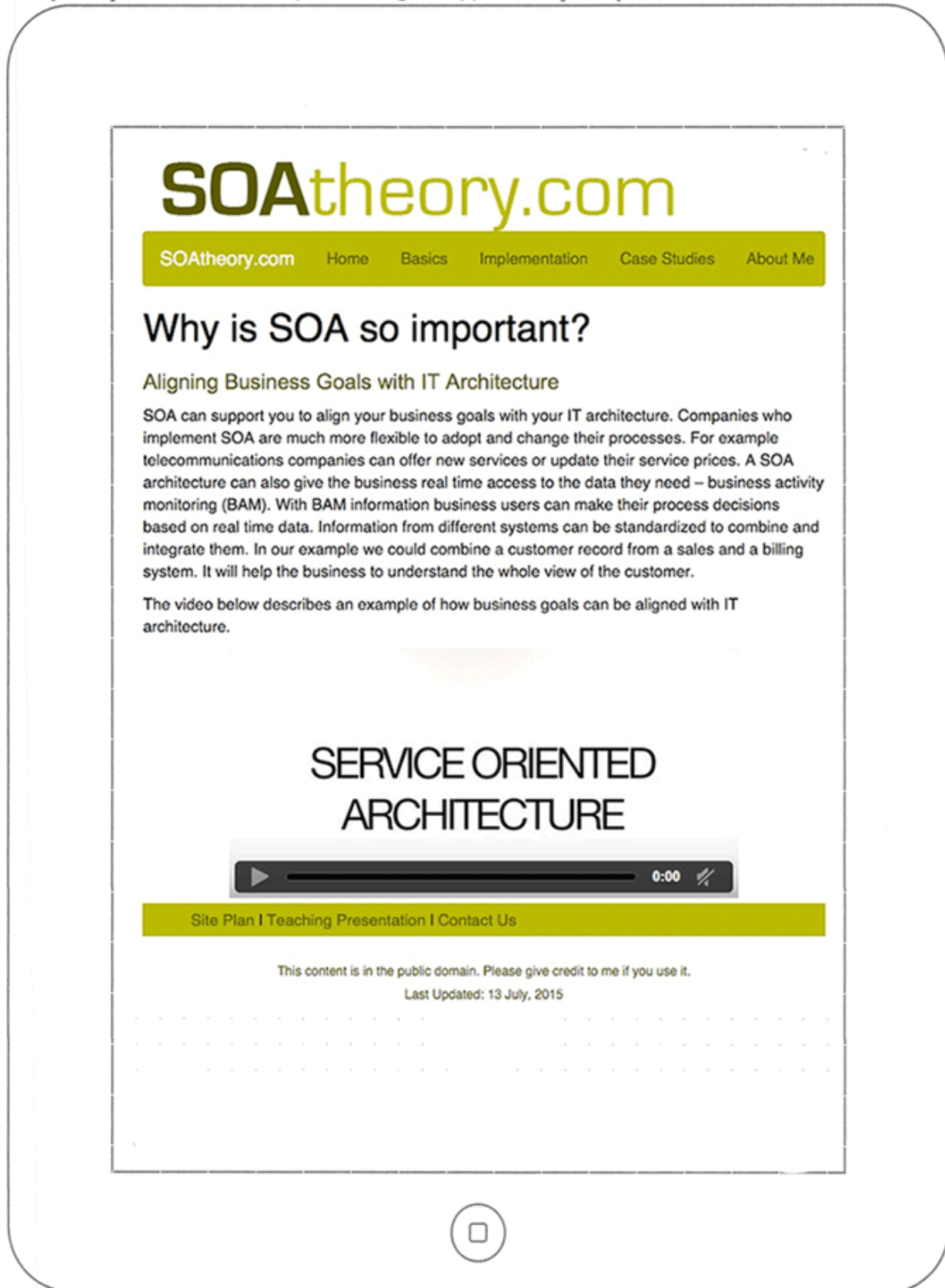


Figure 6 - Tablet (portrait)

## Tablet (Landscape)

iPad - (1536 pixels wide X 2048 pixels tall @ 264 ppi): Example - iPad 3

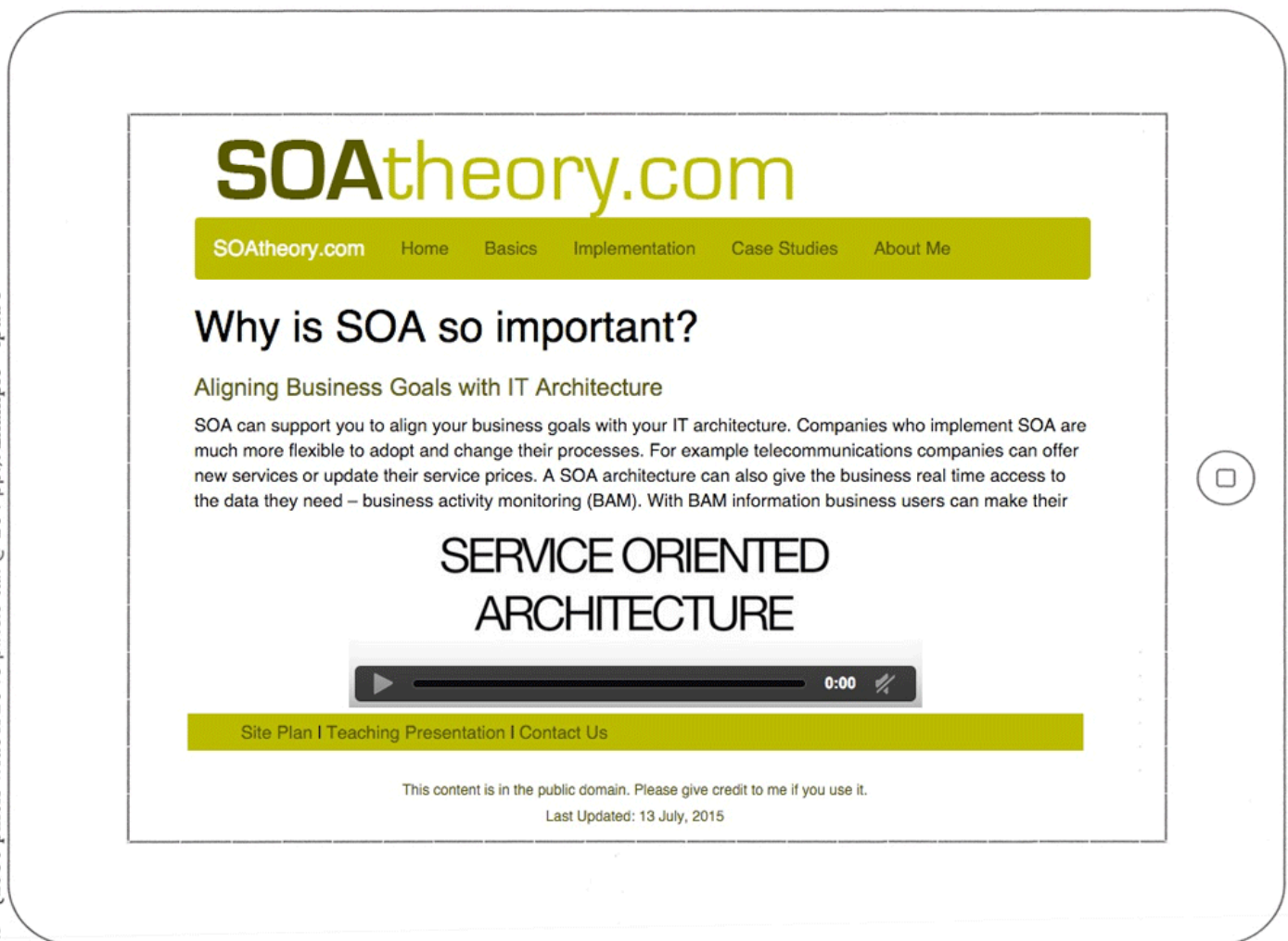


Figure 7 - Portrait (landscape)

Smartphone

**iPhone** – (640 pixel wide X 960 pixel high): Example – *iPhone 4S* actual size



**Notes:**

Main different is the removal of the quick links section to save screen realstate. Images and video will also be condensed to a usable and suitable size. Fonts will also be reduced to a suitable size.



Figure 8 - Smartphone layouts

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- Teaching Presentation (/content/teachingpresentation.php) |
- Contact Us (/contact/)

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Last Updated: 13 July, 2015