Business Requirements Document Template

Contents

Document Control

Document History

[Use this table to track all major changes to the document.]

Version	Date	Status	Author	Comment/Changes from Prior Version
1	10/19/2014		Damon Wong, Adam Yee, Ryan Enshaie, Antonio Montalvo, Byung Kim	

Document Reviewers/Approvers

[Use this table to track review and approval cycles.]

	Approver Role	Approver Name	Date	Means of Approval
1	Sponsor	Sarah Thacker		
2	Sponsor	Tim Kashani		
3	Project Manager	Dawson Schcahter		

Project Details

[Enter basic information about the project here.]

Program Name:	
Project Name:	Learning Paths
Project Sponsor:	Showbiz U
Project ID:	
Project Manager(s):	Dawson Schcahter, Sarah Thacker
IT Risk Project Classification:	
Project Start Date	10/2/14
Project End Date:	

Overview

This document defines the high level requirements for Learning Paths. It will be used as the basis for the following activities:

- Creating solution designs
- Developing test plans, test scripts, and test cases
- Determining project completion
- Assessing project success

Document Resources

[Identify stakeholders and resources involved in gathering requirements and creating the BRD.]

Name	Business Unit	Role
Tim Kashani	Showbiz U	Sponsor
Sarah Thacker	Showbiz U	Sponsor

Glossary of Terms

[Identify and define terms and acronyms used in this document.]

Term/Acronym	Definition
Open source	Software for which the original source code is made freely available and may be redistributed and modified.
Learning Paths	A learning tool that will help users find resources that will provide information about a topic they are seeking.
Curated content	Content will be based on interest, relevance and other things that the Learning Paths tool will be able to find for the user.

Project Overview
Project Overview and Background

ShowbizU works to inform, empower, and connect storytellers with content about show business and storytelling that will help artists transform their abilities and expand their horizons. It is an open source arts hub that provides access and opportunities to storytellers who want to learn, grow, and expand their network. A main part of ShobizU is the Learning Paths, which is a curated learning tool that will help users find resources that will provide information about a topic they are seeking after. Through this, users can advance their education for their needs.

The team working on the project for Showbiz U is composed of students from UCI taking the Informatics 191 series. They started in Spring Quarter of 2014, and will continue the project until the end of Winter Quarter of 2015. The project is for Showbiz U's Learning Paths. It is to focus on the main website's curated learning tool that will allow the users to pursue learning about the specific areas of interest that they have in regards to theatre/the arts. This portal is provided to give the users the opportunity to be educated in these particular areas of theatre/the arts.

The project should allow users to create customized learning paths based on their areas of interest; the search tool will find curated content. The project will include well-developed logic and algorithms to recommend certain paths and links to the users based on their areas of interest. The project will have pre-existing learning paths for users to choose from. The project will allow users to track their progress within a learning path. The project will allow users to search for content based on keywords.

[You may take this information from the Project Charter. This is a brief description of the project, including the current situation, the problem, and objectives. This section serves as the vision statement for the requirements. Each requirement should bring the project closer to the vision.]

Project Dependencies

[List any related known projects that relate in whole or in part, or has a dependency on this project.]

	Project Dependencies
1.	Front-end, back-end and logic are all tied together.
2.	The Learning Paths will be added to the Showbiz U website.
3.	Facebook api used for loggin into the Learing Paths application.
4.	Cross browser compatablity can be an issue for front-end.
5.	Learning paths being hosted on Azure.

Stakeholders

Following are the internal and external stakeholders whose requirements are represented by this document.

	Stakeholders
1.	Tim Kashani (ShowbizU)
2.	Sarah Thacker (ShowbizU)
3.	Hadar Ziv (UCI)
4.	User's of the application

Key Assumptions and Constraints

[List all assumptions and constraints.]

#	Assumptions
1.	Users will know the American English language
2.	Users will have access to the Internet and computer device
3.	We are using PHP, Javascript, HTML, CSS, Ajax and Java to program.

4.	The learning paths will be hosted on Azure.
5.	Learning path crawler will pull data from other sources than the current one.
6.	Thousands of users would be able to use the learning paths in the future.
7.	The learning paths will be added to the Showbiz U website at some point.
8.	In the future new features may be added so it would be good to make the code flexible.
9.	Learning Paths will display correctly in most modern browsers.
10.	It will display correctly in mobile devices.
11.	Usable by people of all ages and abilities.

#	Constraints
1.	Final deliverable for Fall quarter will need to be delivered between December 12 - 19.
2.	Final deliverable for Winter quarter will need to be delivered between March 13 - 20. This is also the end of the 191 course and we will need to hand over all deliverables.
3.	PHP, Javascript, HTML, CSS, Ajax, and Java would be used to program the learning paths because that is what the previous person working on it used.
4.	Receiving new code as a starting point from the previous owner and having to adjust to their coding style.
5.	Cross browser compatibility can be an issue depending what the browser requirements may be.

Scope: In Scope and Out of Scope

In Scope

1. **The ability to create a new learning path.**
2. **The ability to add content to learning path.**
3. **The ability to select pre-existing learning path.**
4. **The ability to switch between different learning paths.**
5. **Search engine.**

Out of Scope

1. **The ability to track progress through the learning path.**
2. **Different account types.**
3. **Fully-functional, sophisticated search engine with filters and recommendations.**

Use Cases

[The primary purpose of the Use Case is to capture the required system behavior from the perspective of the end-user to achieve one or more goals. A Use Case contains a description of the flow of events describing the interaction between actors and the system. Represent the use case visually to show interactions between actors and the systems as well as relationships with other use cases and actors.]

[Identify and define who will be using the system and their role. How will the actors be using the system? What do they need to do with the system?]

Actor	Role Definition
Student_1	The student will be logging into the system.
Student_2	The student will be creating an account.

Use Case Narratives and Diagrams

[Document each Use Case using this template.]

Use Case ID:	1		
Use Case Name:	Login to Learning Paths		
Created By:	Antonio Montalvo	Last Updated By:	Antonio Montalvo
Date Created:	10/21/14	Date Last Updated:	10/21/14

Actor(s):	Student_1
Description:	A student wants to login to Learning Paths and after clicking login the Facebook login should pop up.
Preconditions:	User can access Learning Paths website.
Post-conditions:	User will be logged into Learning Paths.
Normal Course:	User logs into Learning Paths.
Alternative Courses:	User will not login and needs to retry.
Exceptions:	User entered the wrong email and/or password.
Includes:	
Priority:	High priority.
Frequency of Use:	High frequency of use.
Business Rules	
Special Requirements:	Learning Paths must have a working connection to the Facebook api.
Assumptions:	Assumption that Facebook is working.
Notes and Issues:	

Use Case Diagram	
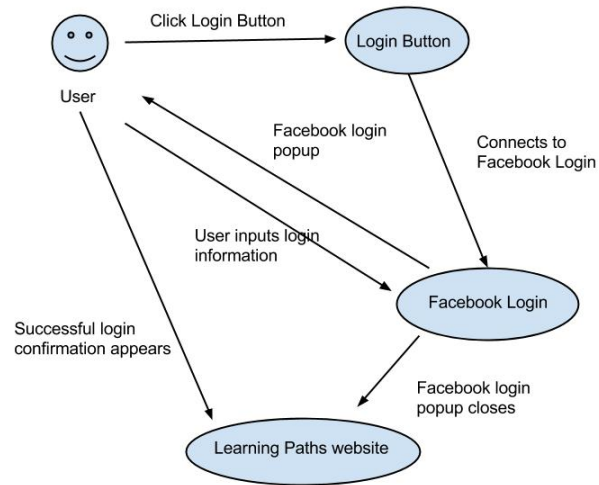
Use Case ID:	2		
Use Case Name:	Create Learning Paths Account		
Created By:	Damon Wong	Last Updated By:	Damon Wong
Date Created:	10/21/14	Date Last Updated:	10/21/14

Actor(s):	Student_2
Description:	User wants to create a new Learning Paths account through the Showbiz U website.
Preconditions:	User can access the web with compatible browser.
Post-conditions:	User becomes the owner of a unique Learning Paths account on the Showbiz U website.
Normal Course:	User creates Learning Paths account.
Alternative Courses:	User is unable to create a Learning Paths account and cannot access the content.
Exceptions:	User attempts to create an account with an email that already has an account associated with it.
Includes:	
Priority:	High priority.
Frequency of Use:	High frequency of use.

Business Rules	
Special Requirements:	Email address must be valid. Password must adhere to the guidelines for value types.
Assumptions:	
Notes and Issues:	
Use Case Diagram	

Business Requirements

The following sections document the various business requirements of this project.

| Type	ID #	Function – Feature – Requirements	Use Case Reference	Benefit	Success Criteria	Priority
	Business User Requirements					
	001	Website is a top search for "arts and entertainment education".			Website shows up in the top 10 on a Google search for "arts and entertainment education"	
	002	System is compatible on multiple web browsers.			The system is validated across five different web browsers	
	003	The Learning Paths website has constant activity.			The website receives x number of sign-ons per day.	
	004	Existing Learning Paths are rated above average.			All existing Learning Paths are rated 3.5/5 and above.	
	005	User is able to find and access the desired content efficiently.			User is able to find and access the desired content within x number of seconds	
	Reporting Requirements					
	001	Keeps track of traffic on the website			Reports how many people are on the website to the "admins"	
	002	Receive reports from users about bugs			All reports from users will be sent to the "admins"	
	003					
	004					
	005					
	User Access / Security Requirements					

	001	The system will allow users to access the information.			Users can access the information with or without a created account.
	002	Users' individual progress or paths will be securely tied to their account and saved.			Users login with one unique username and password to track their progress.
	003	User accounts will be verified before they are activated.			Users must manually verify their account via email or Facebook login.
	004	Users are able to view the original source of the content presented.			Users can click the link to the piece of content to directly take them to the source of the information.
	005	Users are able to manipulate their own content library and learning paths on their account.			Users can add content to their library or to a selected path.
	Service Level/Performance Requirements				
	001	The system will perform analytics to serve the users' preferences.			
	002	Pages will load quickly.			All pages must load within two seconds.
	003	The system must run on major browsers and support HTML 5			The system runs on all browsers, mobile devices.
	004	The system maintains consistency as load increases.			The application does not change when the load nears capacity.
	005	The system is always available.			The system has x seconds/minutes of downtime.
	006	The system is able to take additions without changing the existing features.			Nothing else changes when you add a new feature.
	Scalability Requirements				
	001	The system must operate at the same efficiency with growing active users.			The system will perform at the same speed with double the amount of users.

	002	The crawler will provide suggestions based on each user while the user base grows.			The crawler will provide users with helpful suggestions with twice the user base.
	003	The database must account for the growing number of users.			The database can double its size with no complications.
	004	The server must be able to handle simultaneous use of the system by many different users.			The server will not crash when the amount of users is doubled.
	005				
	Support and Maintenance Requirements				
	001	The application must provide a way for users to contact administrators for support or to report bugs.			A "Contact Us" or "Support" page or tab should be constructed.
	002	The content that is generated and curated must constantly be updated.			The crawler should run everyday to gather and curate content to display.
	003	New content will be categorized and available to view by different filters.			The top 20 results will be displayed under each filter.
	004	Basic steps/directions will be provided to guide users how to use site and its features.			A "Getting Started" page must be constructed illustrating the proper steps to use the system effectively.
	005	Changes to features must be universal across browsers and hardware devices or platforms.			The application will be accessible to all smartphones, tablets, and computers using the intended browsers.

Business Process Flows

[Describe the current existing process workflow using flow diagrams and/or a detailed narrative.]

As is diagram
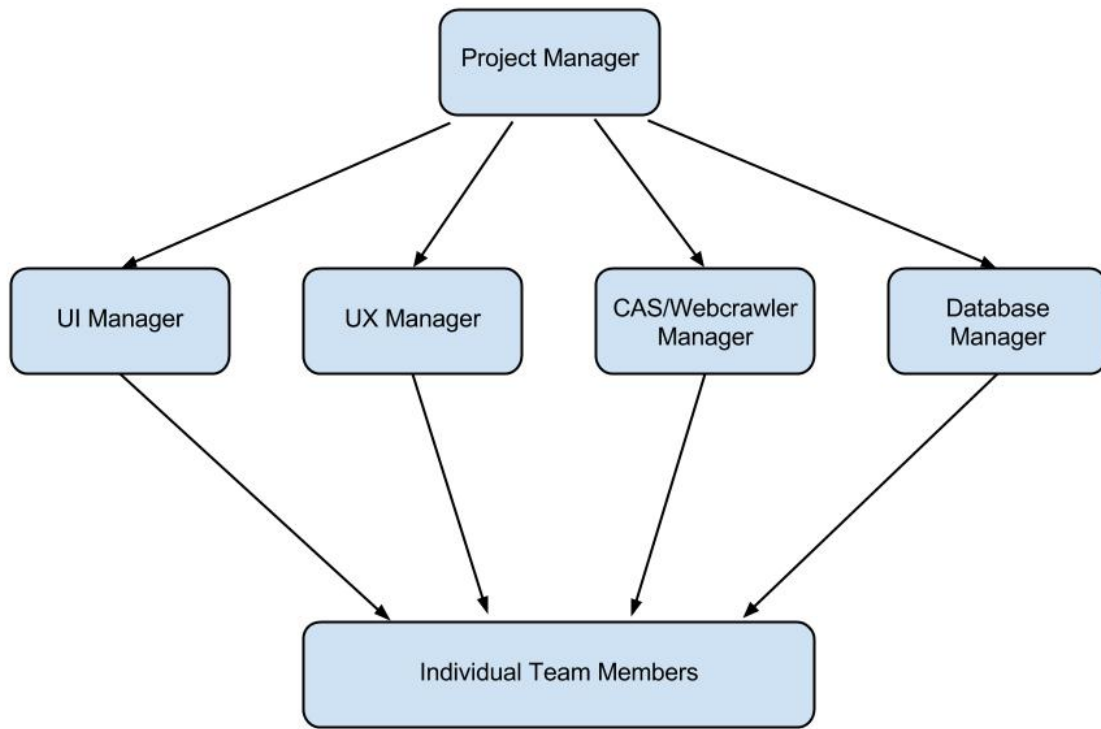
To be diagram

[Insert a flow diagram of the new business process.]