Precision Development

DELIVERABLE #2

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1 Personas

1.1 Anne

- Anne is a 65 year old English professor
- Speaks English and French fluently
- Any free time she has is spent with her 2 young grandchildren
- She has 20 years of research, 5 years of teaching experience
- Enjoys her work as a lecturer
- Only uses the basics of a software she needs, never explores new features
- She is sometimes forgetful and requires constant reminders for tasks
- Works in the office as well as home
- Has poor eyesight
- Mediocre computer skills, only knows how to use basic word processors and relies on someone else to install programs for her.
- Teaches a large class of over a 1000
- Only uses Internet Explorer
- She is a visual learner and relies on icons to know what she is doing
- She is not on her cell phone very often and uses it for work purposes only
- She checks her email using the Microsoft Outlook client

1.2 Britney

- Britney is a 19 year old History University Student
- Uses Windows and is not familiar with any other OS
- Speaks fluent Spanish and some English
- She is impatient and doesn't like to wait for long loading times
- She is very organized, she spends a lot of time creating a folder structure so that she knows exactly where every file is located
- She is already familiar with other bibliographic tools
- Enjoys collaborating with others on group projects/sharing ideas.
- Uses her laptop exclusively for school work
- Not very willing to ask for help, prefers manuals and tutorials so that she can teach herself
- She is constantly on the go while working, doesn't always have access to WiFi
- Likes software to be customizable to meet her own needs
- Backs up her work weekly

2 Product Backlog

Product Backlog				
User Story ID	**User Story**	**Value**	**Risk**	**Estimated Cost**
1	As Anne a professor, I want to be able to batch select tags so that I can perform deletes/renames/and merges on all of them at once.	3	Med	40 Dev Hours
2	As Anne a professor, I want the option to couple documents so changes made to one instance of a record will be reflected in the copies.	4	Low	50 Dev Hours
3	As Britney a student, I want to be able to add more fields to an existing record type so that I can classify the record better.	4	Med	40 Dev Hours
4	As Anne a professor, I want an easy-to-use UI for creating custom bibliography styles so that I don't have to fiddle with XML files.	4	High	50 Dev Hours

5	As Britney a student, I want the ability to work offline so I can work while commuting.	1	High	100 Dev Hours
6	As Anne a professor, I want to have a log of the changes I've made so that I can keep track of my progress.	2	Med	30 Dev Hours
7	As Britney a student, I want to be able to export custom bibliography template styles so that I can share it with others.	2	Low	40 Dev Hours
8	As Britney a student, I wish to import my records from other bibliographic tools that I have previously used.	1	High	30 Dev Hours
9	As Anne a professor, I want a notification feature so that I can come back to records that are incomplete.	3	Med	30 Dev Hours
10	As Anne a professor, I'd liked to be able to attach a photo to my records so that I can visually identify a record by the book cover.	1	Low	20 Dev Hours

11	As Britney a student, I would like a feature to automatically create and update a local backup of my records so that I don't need to worry about losing my work.	3	Low	40 Dev Hours
12	As Anne a professor, I'd like to have email integration so that I can share my work with my colleagues without opening another email client.	1	Med	30 Dev Hours

3 Sprint #1

3.1 Sprint Backlog

Sprint #1 Backlog (100 dev hour sprint)				
User Story	**Tasks**	**Day 1**	**Day ...**	**Day 10**
(STORY ID: 3) As Britney a student, I want to be able to add more fields to an existing record type so that I can classify the record better. **(Value: 4 / Risk: Med / Estimated Cost: 40 Dev Hours)**	Research: Figure out how the fields interact with the database			
	Design the UI to complement an inclusion of a new field			
	Meet with Natalie to present the design and ask for feedback/suggestions			
	Setup the testing database/environments and dummy users			
	Write functional/regression test cases			
	Code the field addition feature			
	Test the new feature using written tests			
(STORY ID: 4) As Anne a professor, I want an easy-to-use UI for creating custom bibliography styles so that I don't have to fiddle with XML files. **(Value: 4 / Risk: High / Estimated Cost: 50 Dev Hours)**	Research: Figure out how the exported XML files are currently formatted			
	Design the drag and drop UI for implementing custom styles (have a prototype working to present to client)			
	Meet with Natalie to present the design and ask for feedback/suggestions			
	Write functional/regression test cases			
	Implement the UI drag and drop feature			
	Test the drag and drop feature			

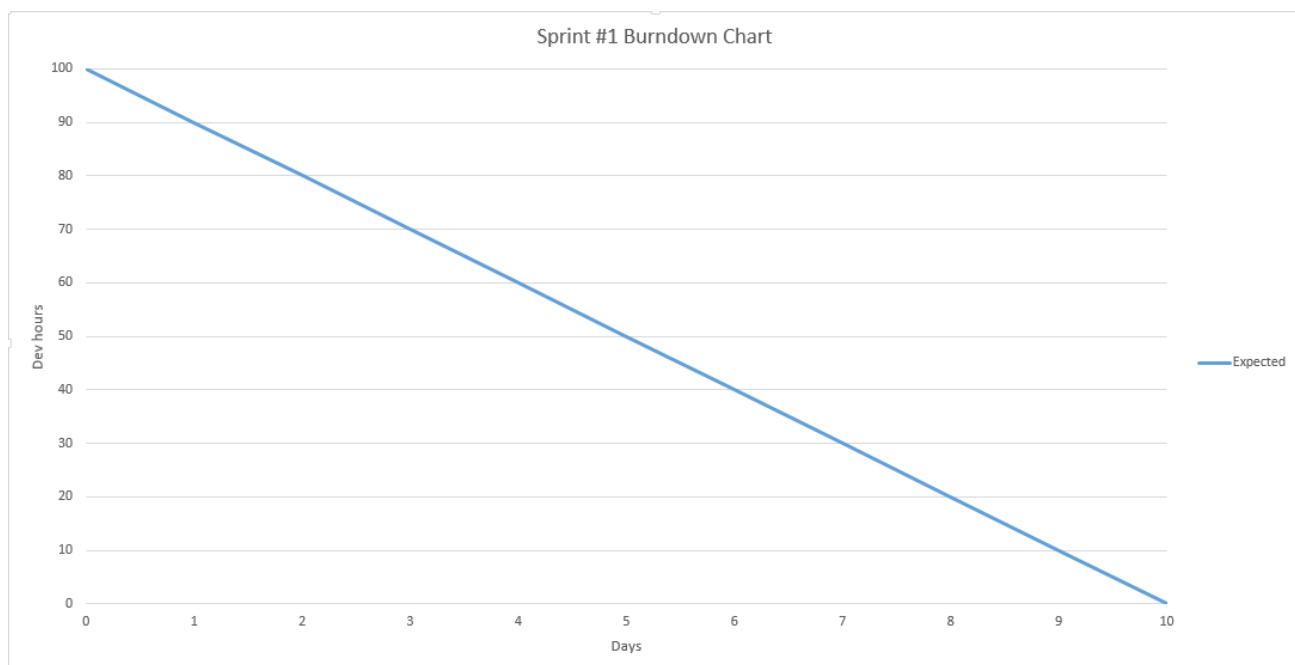|	Code the custom bibliography styles			
	Test if the custom styles work			
(STORY ID: 2) As Anne a professor, I want the option to couple documents so changes made to one instance of a record will be reflected in the copies. **(Value: 4 / Risk: Low / Estimated Cost: 50 Dev Hours [10 hours during this sprint, remaining 40 for next sprint])**	Research: Figure out how documents are created internally to find a way to create an instance that points to the same copy.			

3.2 Sprint Task Board

Sprint #1 Task Board				
User Story	**To Do**	**In Process**	**To Verify**	**Done**
(STORY ID: 3) As Britney a student, I want to be able to add more fields to an existing record type so that I can classify the record better. **(Value: 4 / Risk: Med / Estimated Cost: 40 Dev Hours)**	Research: Figure out how the fields interact with the database			
	Design the UI to complement an inclusion of a new field			
	Meet with Natalie to present the design and ask for feedback/suggestions			
	Setup the testing			

	database/environments and dummy users			
	Write functional/regression test cases			
	Code the field addition feature			
	Test the new feature using written tests			
(STORY ID: 4) As Anne a professor, I want an easy-to-use UI for creating custom bibliography styles so that I don't have to fiddle with XML files. **(Value: 4 / Risk: High / Estimated Cost: 50 Dev Hours)**	Research: Figure out how the exported XML files are currently formatted			
	Design the drag and drop UI for implementing custom styles (have a prototype working to present to client)			
	Meet with Natalie to present the design and ask for feedback/suggestions			
	Write functional/regression test cases			
	Implement the UI drag and drop feature			
	Test the drag and drop feature			
	Code the custom bibliography styles			
	Test if the custom styles work			

(STORY ID: 2) As Anne a professor, I want the option to couple documents so changes made to one instance of a record will be reflected in the copies. **(Value: 4 / Risk: Low / Estimated Cost: 50 Dev Hours [10 hours during this sprint, remaining 40 for next sprint])**	Research: Figure out how documents are created internally to find a way to create an instance that points to the same copy			

3.3 Sprint Burndown Chart

4 System Design Diagram