## 1 WHAT DESIGN DECISIONS CHANGED?

Throughout development of the Many Voices Publishing Platform, only a few changes were made throughout development that strayed from the original requirements and planning.

	Design	Description of What Happened	Comments
1	User login & Au-	We were unsure if we would be using	3rd party login allowed us to simplify the new
	thentication	3rd party login or rolling our own;	account creation experience.
		we used Google's oAuth backend	
2	Book compilation	LaTeX files are constructed in-	This allows us to more easily change the doc-
		memory and saved to disk before	ument design and to implement an easier data
		compilation, rather than being saved	flow.
		individually and constructed with	
		\include and \input.	
3	Make text format-	Users can choose to write scraps with	This change allows for much more powerful
	ting transparent to	full LaTeX enabled, or in plain-text	document creation. Creating a table or a chart
	user	mode.	is now possible, which would not have been
			possible if the user had to use a GUI-based
			editor.
4	Use passwords to	Instead of passwords, a user logs in	Users no longer need to remember a password
	authenticate users	with their Google account. A token	and instead of storing a password, we can store
		is generated that is then stored in	unique, randomly generated tokens, removing
		their browser and in the backend	the risk of password leakage.
		database.	
5	Passwords must be	Instead of passwords, tokens are	Tokens do not need to be salted, as they are al-
	salted and hashed	used. Tokens are hashed but not	ready unique to the service and leaking a token
		salted to allow for token lookup di-	does not harm user security. Tokens are stored
		rectly.	salted, and so still require a large amount of
			computation to break a single token.
6	Use a SQL database	Instead of a SQL database, a docu-	Using a document storage database made
	for user data	ment storage database was used.	sense, since the data we were storing was al-
			ready created as document-style JSON objects.
			Storing these and retrieving these as JSON
			simplified the marshalling to and from SQL
			statements would have required.