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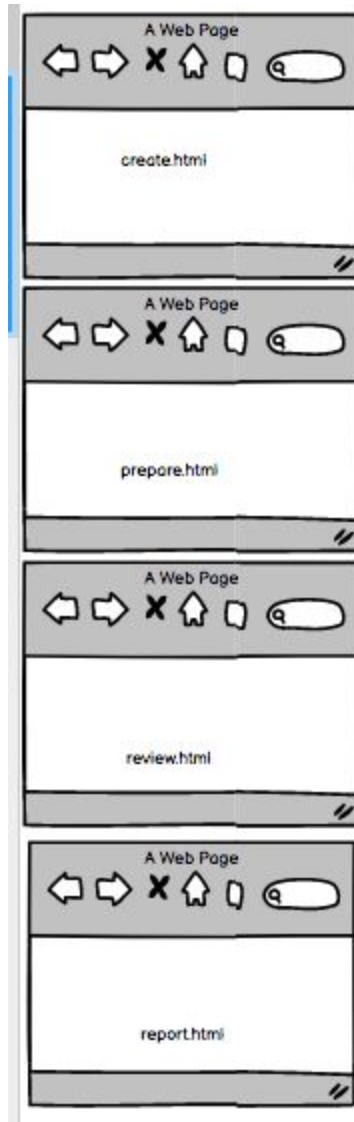
## Hackbright Academy

**\*\*updating\*\***

### Project Idea with MVP/Nice-To-Have Summaries - Approved 7/31/2020

<b>Project Title:</b>	Dynamic Checklist System
<b>Project Summary:</b>	The Dynamic Checklist system allows end-users to create their own checklists with the ability to hide certain sections based upon user input, add help prompts and link to video clips containing just-in-time refreshers of key training information. By doing so, such checklists will reduce time by focusing on relevant information, and reminders, increase accuracy and help identify areas of liability more quickly.
<b>Project Description (&lt;750 characters - 615):</b>	The Dynamic Checklist system allows end-users to create their own checklists. Checklists will include the ability to hide certain sections based upon user input, add help prompts and link to video clips containing just-in-time refreshers of key training information. As they move through the checklist, checklist users' answers are saved to a database and fed to the reviewer, who will be notified that the checklist is ready for use in review. The reviewer can fill out additional information that is saved to the database. If an item needs to be corrected, the reviewer can send a notification to the preparer. In the future once done, the checklist's reviewer will be able to send a notification to the party who delivers the work, and a copy to the preparer. Reporting on the status across multiple projects will also be available.
<b>MVP features (1-3):</b>	<ol style="list-style-type: none"><li>1. Simple interface to create a custom checklist including built-in help functionality, urls for training available and the ability to add comments and hours spent.</li><li>2. As data as entered it will be saved to a database for review and audit purposes.</li><li>3. Once done the creator can view and share their checklist with others.</li></ol>

<b>2.0 features:</b>	<p>4. A Kanban board showing items done, to be done and not applicable will be available.</p> <p>5. To allow for quick notification of the project's parties there will be e-mail notifications.</p> <p>6. Test case Compliance Testing Tracking as demo.</p>
<b>3.0 nice to have features:</b>	<p>7. Management reporting on progress (plans done, in progress, not started) using graphs.</p> <p>8. Role-based access to creating checklists, preparation, and review, as well as status reporting based on multiple management levels).</p> <p>9. Parties will have the option of using Twilio notifications.</p>
<b>Project Tech Stack:</b>	<p>Python, JavaScript (AJAX, jQuery), PostgreSQL, Flask, Jinja, Bootstrap, HTML5, CSS3</p> <p>Python modules:</p> <p>Pandas, numpy Csv, xpdf, reportlab smtplib time, datetime matplotlib</p>
<b>APIs Used:</b>	Twilio
<b>Data planning to store in database:</b>	Text, hyperlinks to video clips on YouTube, images, numbers, charts, graphs.
<b>Github Project URL:</b>	<a href="https://github.com/annewoosam/dynamic-checklist-system">https://github.com/annewoosam/dynamic-checklist-system</a>
<b>Deployed URL:</b>	None yet.
<b>Informational requests:</b>	Are there APIs for integrating video clips into SQL? For creating training quizzes? I know our labs/homework say we will later build a quiz system.



A very basic mockup of these pages is out on github at <https://github.com/annewoosam/dynamic-checklist-system.git>

**Create**

create.html

create.html

## Dynamic Checklist Generator

To create a dynamic checklist, complete the fields below.

Your name

Your email address

Your checklist's name

Enter your question/prompt:

Enter the text you want to display when an item is marked complete (a Y is entered).  
What should we say is done?

Enter the text you want to display when an item is marked not done (a N is entered).  
What should we say still needs to be done?

Enter the text you want to display when an item is marked not applicable (NA is entered).  
What should we say was skipped because it does not apply?\*

Enter any help text you want to display for this question:

Enter the URL of a video that can guide the user in completing the task involved in this question

Mark this question as the primary driver of responses for all other questions in this category? ☐

Enter the question's category. This must be used consistently across questions  
which need to be marked complete if the primary driver is marked not applicable?

\* If a user does not fill out a field with Y, N or NA they will be prompted to revisit those items to make sure all items are accounted for before submission.

## Prepare

prepare.html

prepare.html

## Welcome to checklistName

Your name

Your email address

The date started

Whose work the checklist covers

**Question** **Driver** **Answer** **Comments** **Help** **Training**

| Text | Yes/No | Drop-Down Y N NA Blank default | Text Area - New | Link text Area | Link to Training Materials

Kanban list

To Answer Count of To Answer | % ...

To-Do Count of To Answer | % ...

Done Count of To Answer | % ...

Not applicable Count of To Answer | % ...

Ready for Review

Reviewer's name:

Reviewer's email:

## Review

## Welcome to checklistName

Reviewer name

Reviewer email address

Whose work the checklist covers

\* The date review started

Question Driver Answer Comments Help Training \* Review Status \* Comments  
 | Text | Yes/No | Drop-Down Y N NA Blank default | Text Area - New | Link text Area | Link to Training Materials Blank default|Reviewed|Returned for Corrections

Kanban list

Done Count of To Answer | % ...

Not Applicable Count of To Answer | % ...

\* Reviewed Count of To Answer | % ...

\* Not Reviewed Count of To Answer | % ...

\* Corrections Required Count of To Answer | % ...

Save

\* View Reviewer Kanban List

\* Return for Corrections

The preparer's name

The preparers's email

cc if changed; override later

\* Forward for delivery

\* The recipient's name

\* The recipient's email

## Report

## Welcome to checklistName reporting

Prepared started/not started/done Reviewed started/not started/done Much later by All by Unit by Manager by Employee

## Database Structure Outline

Diagram at  
<https://dbdiagram.io/d/5f330ee2e1246d54aa2cff57>

No Star = MVP  
 1 Star = 2.0

2 Stars =3.0+

### Creator Database

Key|Creator| email|ChecklistName  
Text|Text|E-Mail|Text

### Checklist Database

Key| Text  
ChecklistName| Text  
Question| Text Area  
YesText| Text Area  
NoText| Text Area  
NotApplicableText| Text Area  
HelpText| Text Area  
VideoURL| Text | (converted to link in web-pages receiving)  
PrimaryDriver| Text  
Category| Text  
LastSaved| Date | (calculated triggered by Save button click event)

PreparerName| Text  
\*\* PreparerEmail| Email  
DateStartedPreparation| Date  
WhoFor| Text  
PreparerAnswer| Drop Down Selection | (with blank as default)  
PreparerComments| Text Area  
PreparerTimeSpent| Float | 2 decimals, as hours and minutes  
\*\* ReviewerName| Text  
\*\* ReviewerEmail| Email  
\*\* DateSentToReview| Date | (calculated triggered by Send to Review button click event)

ReviewStatus| Text | (calculated by whether Return for Corrections or Send to Recipient clicked)  
ReviewerComments| Text Area  
DateLastReturnedForCorrection| Date | (calculated by click of Return for Corrections )  
DateReviewComplete| Date | (calculated by click of Send to Recipient)  
\*\* RecipientName| Text  
\*\* RecipientEmail| Email

DateSentToRecipient|Date | (calculated by click of Send to Recipient)

\*\*\* DirectManager| Text

\*\*\* BusinessUnitManager| Text

\*\*\* EnterpriseManager| Text