**CDT Pre-Qualified Vendor Pool Prototype**

CDT has tasked VIP with a 4 week agile development project to create a Knowledge Management Tool using open source technology and agile development methodology.

Here are the high level requirements:

**Knowledge Creation**

1. Shall have ability to easily create Knowledge Articles.
2. Shall have ability to provide multiple levels and formats in Knowledge Articles (e.g bullet points for senior levels, specific scripts for junior levels)
3. Shall allow for role-based security access/views

**Knowledge Sharing**

1. Shall allow for promotion (sharing) of process and information across systems and channels.
2. Shall have ability to create user-defined rules for creation and lifecycle management
3. Shall trigger escalation processes (automated emails/texts to approvers) and send reminders to either approve or complete or publish activities.

**Knowledge Development**

1. Shall have ability to update and improve Knowledge articles and access the value of usage predicting new records or record types
2. Shall show innovation by learning from existing records (e.g. prompting to create new Knowledge Articles)

These requirements will be further decomposed and additional enhancements will be added per user feedback.

**Problem**

State agencies (in our example, CDT) are lacking a centralized, easy-to-use Knowledge Management Tool to create, share and develop knowledge management needs for the agency. The CDT is seeking VIP’s support in developing a working prototype, in just 4 weeks time, that will support the agency in creating, sharing, and developing knowledge.

**Objective**

Create a working prototype using agile development methodology and following the US Digital Services Playbook for a user-centric design. Our team will have 4 scheduled sprints to complete the base prototype functionality and incorporate enhancements based on user feedback using iterative development.

**Solution**

Our prototype will be created using several open source technologies. The prototype will be hosted using Heroku and our code repository will be GitHub.