

The 4orce

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Description

We are building a website that will dramatically improve company's ability to hire and meet the United States Small Business Administration's (SBA) HUBZone requirements.

We will provide companies insights on future hiring techniques, not only to meet HUBzone requirements but to ease decision-making of future company growth decisions using company data and local demographic data.

MVP Scope

At a minimum, our site will inform a user if a user-supplied zip code is inside a HUBzone. To achieve this, we will need to pull data from the HUBZone database,
Convert zip to county code
return bool HUBzone

After this MVP is built, we build (or consider building) the following features as time permits - we'll decide what to build based on Agile principles:

- check additional HUBzone certification requirements
- build a beautifully intuitive front end
- build login screen (must consider password storage and management)
- implement a resume keyword search
- integrate with other publicly-available geographic/demographic data
- display the HUBzone map to the user
- create a proprietary algorithm

Vision

We envision a business environment in which the information-gathering and decision-making processes around HUBZone certification is seamlessly easy.

Motivation

As far as our precursory market research has indicated, there are not any current applications on the marketplace that provide this service. The market potential for this website is all government contractors and potential government contractors. Hopefully we can find someone over in Koelbel to get some numbers about the true market potential of this product.

Risks and correlated mitigation strategies

1. Lack of experience
 - work and learn
 - being proactive
 - leverage course resources

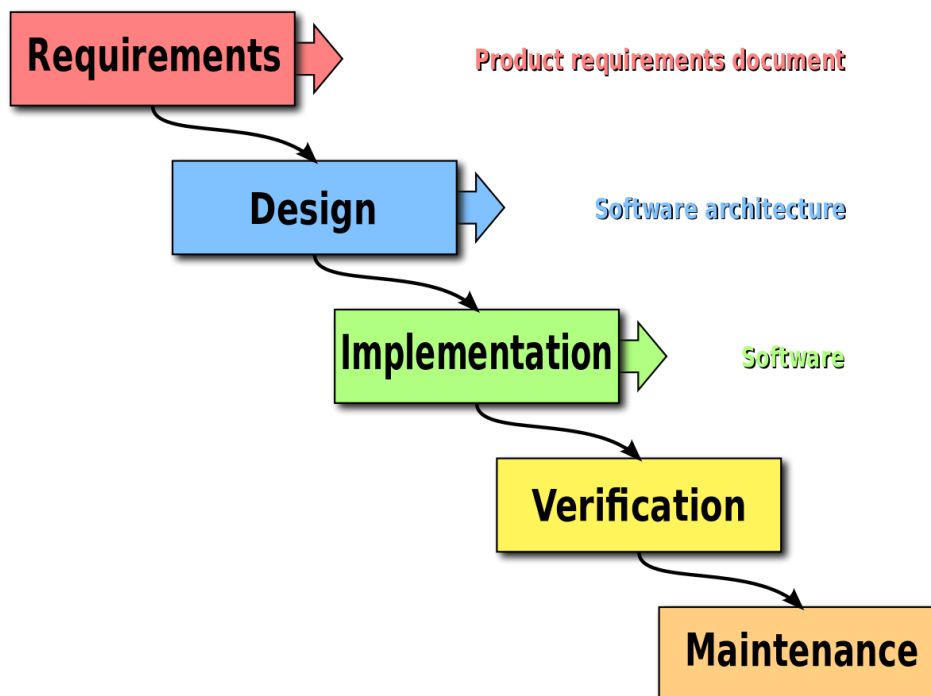
- working outside of group meetings
 - show up to group meetings **cough** Ryan **cough**
 - limit Scope
2. Lack of communication/teamwork
- use and optimize group Discord
 - have lots of in-person meetings
 - team building exercises
 - commenting code
3. People power (not having enough people to build all we want to)
- limit project scope accordingly
 - “all hands on deck” team culture/process

Version Control

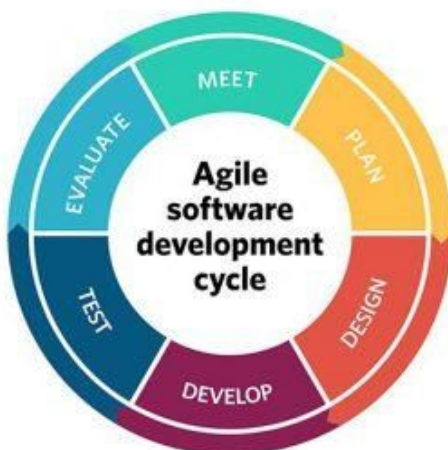
name repositories
GitHub

Development Methods

Stage 1: Waterfall (to build an MVP – so Agile)



Stage 2: Agile (feature based)



Methodology & Future Steps

We are planning to first create a “Minimum Viable Product” of sorts (aforementioned), and we will be using Waterfall methodology to build that. Once we have that built, we will transition to a much more Agile methodology as we build additional features on top of the MVP.

Collaboration Tools

Discord (chat functionality)

Asana

Commenting code!

In-person meetings

Architecture

Front End

html/css

Middle - Integration layer

Python and Django

Back End

MySQL