

# HW3: Minimum Viable Product

## (167.5pts)

Replace all the **highlighted** placeholder text, below. You may change the style of this template, but please provide all the responses requested and keep the same sections / order.

**Usability note:** If you double-tap/click the placeholder text, that text should become selected so that you can easily type over it.

### Your Team Name (0.5pt)

Which **team** are you on?

*Asia Pacific Region Team*

### Project Description (5pts)

Who is the **target audience** of your software?

*My application targets users who are familiar with using cryptocurrencies and those who need to translate words used in my teammates Jaq's service.*

What is the **purpose** of your software? (e.g., what problem does it solve?)

*It furthers the spread and adoption of cryptocurrencies. But, more practically, it offers a decentralized and anonymous medium of sending and receiving payments. Our privacy and data have now become commodities to be sold and traded, without our consent. This is a way to opt out.*

What **service** will your software **provide**?

*Payment Transaction Service*

What **service** will your software **use**?

*Translation Service from Jaq's microservice*

### Status Updates (30pts)

Do at least four status updates on four different days.

Screenshots of status updates:



Francis Dailig 6 days ago Edited

Update 1: Front End is able to retrieve test addresses from development blockchain environment, can display addresses for user to select.

Plan:

- Need to ability to retrieve balance for target account from the blockchain
- Need to include ability to conduct transaction with development blockchain
- Need to add "help" or "extra" info icons to provide more information
- Need to add form for Jaq's service
- Need to add Navbar
- Need to include ability to display transaction information
- Need to include ability to display original and translated text.

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Francis Dailig 2 days ago Edited 🔗

Update 2:

- Application can retrieve account balance from development blockchain for accounts selected.
- Added Form Field for Translate Text (Jaq's application), still needs to interact with Jaq's app. R
- Added help icons for Address, Verify Funds button. Need to add tooltip for remainder of the form fields.

Plan:

- ~~Need to ability to retrieve balance for target account from the blockchain~~
- Need to include ability to conduct transaction with development blockchain
- ~~Need to add "help" or "extra" info icons to provide more information~~
  - Not completely done, still need to add additional info icons, but I have the libraries and templates to do so.
- ~~Need to add form for Jaq's service~~
- Need to add Navbar
- Need to include ability to display transaction information
- Need to include ability to display original and translated text.

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Francis Dailig 14 hours ago Edited

Update 3:

- Can execute payment
- Front end displays dummy original text and dummy translated text (note this will micro service that I use from Jaq's application)
- Front end shows Transaction Information: Buyers address, purchase price, mining fees, ending balance, and Transaction Hash (think receipt)
- Add 'help' icons that provide user extra information about each field

Plan:

- ~~Need to ability to retrieve balance for target account from the blockchain~~
- ~~Need to include ability to conduct transaction with development blockchain~~
- ~~Need to add "help" or "extra" info icons to provide more information~~
  - ~~Not completely done, still need to add additional info icons, but I have the libraries and templates to do so.~~
- ~~Need to add form for Jaq's service~~
- Need to add Navbar
- ~~Need to include ability to display transaction information~~
- ~~Need to include ability to display original and translated text.~~
  - This only displaying dummy text, need to work with Jaq to integrate her services with mine. (Sprint 4)

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Francis Dailig · 40 minutes ago · Edited ·

Update 4:

- Added a Navbar at the bottom of the page. This will allow users to research more about crypto.
- May not need to write a smart contract to handle/track payments. The development blockchain I'm using already does this. Still it would be something I want to do. But the Ganache Development environment does what I need for this project.

Plan:

- Need to ability to retrieve balance for target account from the blockchain
- Need to include ability to conduct transaction with development blockchain
- Need to add "help" or "extra" info icons to provide more information
  - Not completely done, still need to add additional info icons, but I have the libraries and templates to do so:
- Need to add form for Jaq's service
- Need to add Navbar
- Need to include ability to display transaction information
- Need to include ability to display original and translated text:
  - This only displaying dummy text, need to work with Jaq to integrate her services with mine. (Sprint 4)

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## Implementation (102pts)

### Instructions:

- Complete your Sprint 3 user story / stories.
- **Minimum requirements:**
  - Implement basic GUI (e.g., webpage, tkinter GUI, etc.)
  - Implement your service
    - No need to integrate with teammates yet
    - Example: If your service scrapes Wikipedia for images that are mostly blue, show that working
  - Implement how you'll LATER use data from teammate's service
    - No need to integrate with your teammates yet
    - Example: If your teammate will provide you a set of 200px square images you'll display on your GUI, create your own set of 200px square images and display them on your GUI
- **Create a video:**
  - Show/say your team's Sprint Goal
  - Briefly show Product Backlog and Sprint Backlog
  - Show each of YOUR user stories and its Definition of Done
  - Show that you've satisfied each Definition of Done

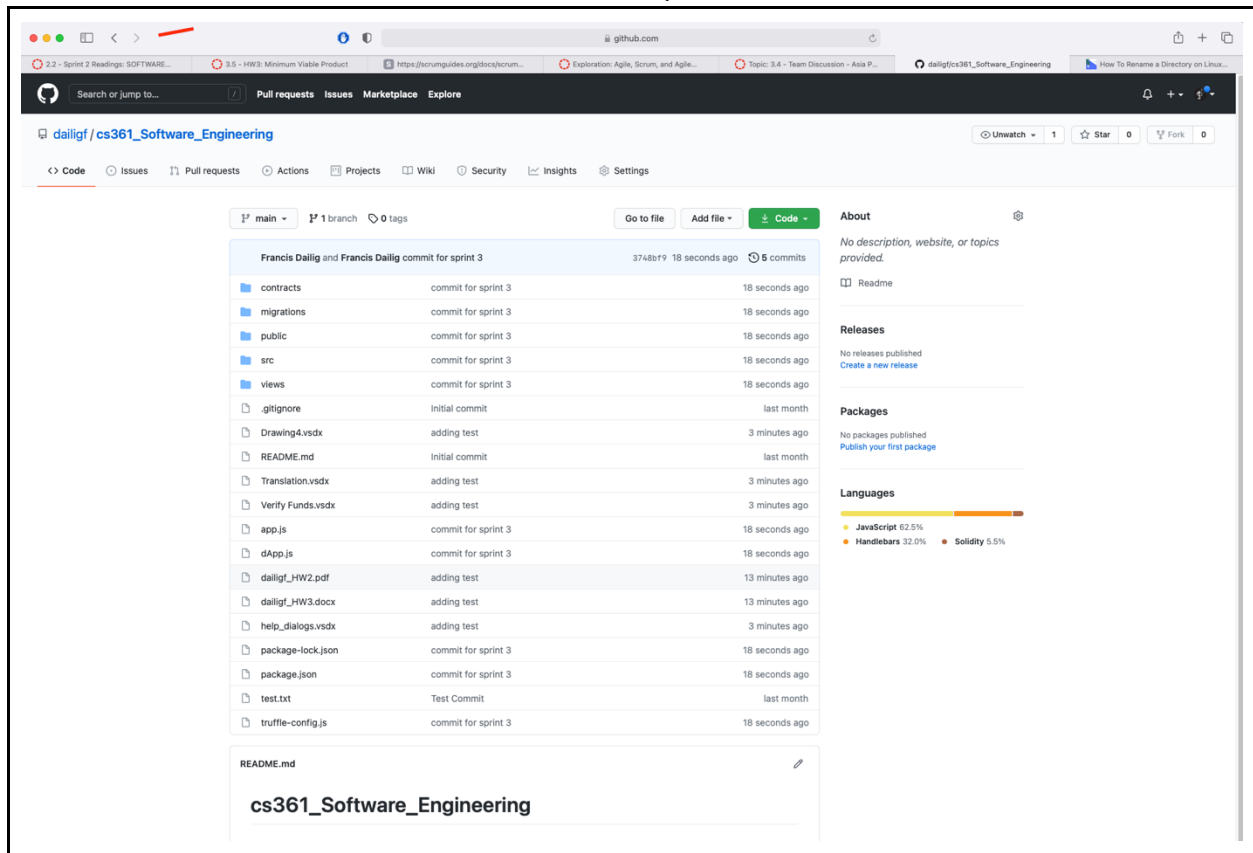
### Video location:

<https://drive.google.com/file/d/1BKJLM28PrflvjssrWkkdnifQfzKx3Ny5/view?usp=sharing>

## GitHub (30pts)

**Commit your code** to your repo.

Screenshot evidence of one or more commit this Sprint:



Create a **release**.

- Instructions: <https://docs.github.com/en/github/administering-a-repository/releasing-projects-on-github>
- Contact me if you want to do releases a different way

Screenshot of your release in GitHub (or other approved location):

Search or jump to...

7

Pull requests

Issues

Marketplace

Explore

Unwatch

1

Star

0

Fork

0

dailigt / cs361\_Software\_Engineering

<> CodeIssuesPull requestsActionsProjectsWikiSecurityInsightsSettings

ReleasesTags

Edit releaseDelete

Pre-release

1.0.0

3748b1f9

Compare

Sprint3 Release

dailigt released this now

This is release 1.0.0 for my cs361 Software Engineering Project. Functionality Developed:

- Basic GUI
- Form Fields which allow the user to select crypto wallet address
- Ability to display available funds
- Ability to display transaction details

Assets 2

Source code (zip)

Source code (tar.gz)

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