

# Solidity Project

## Instructions

Your task, should you choose to accept it, is to implement a registry using an ERC1155 or ERC721 template from OpenZeppelin.

Your registry should allow for the following:

- Allow user to register [IPFS hash](#) of some underlying document or folder as a new NFT.
- Allow user to register a “service” that has a name and points to a collection of NFTs and a single address of an EOA.
- Has an execute function similar to the one in ERC725X (<https://eips.ethereum.org/EIPS/eip-725>) plus an additional argument which is the “service” name. This function checks that the tx it receives is signed by the EOA which is registered for the service and then makes the contract to contract call specified.

Write tests for the above functionality and ensure it can be deployed on a local Ganache instance.

When you’re finished, submit a PR and assign [me](#) as a reviewer.

## Notes

- Imagine you’re submitting a PR to a production project you’re working on
- The design is light on details intentionally – we encourage you to make clarifications and request changes
- Actual designs in the course of normal work at Valory would be much more fleshed out
- Include some notes in the PR to walk me through any choices you needed to make or any feedback you have on the design
- Don’t spend more than 3 hours implementing