

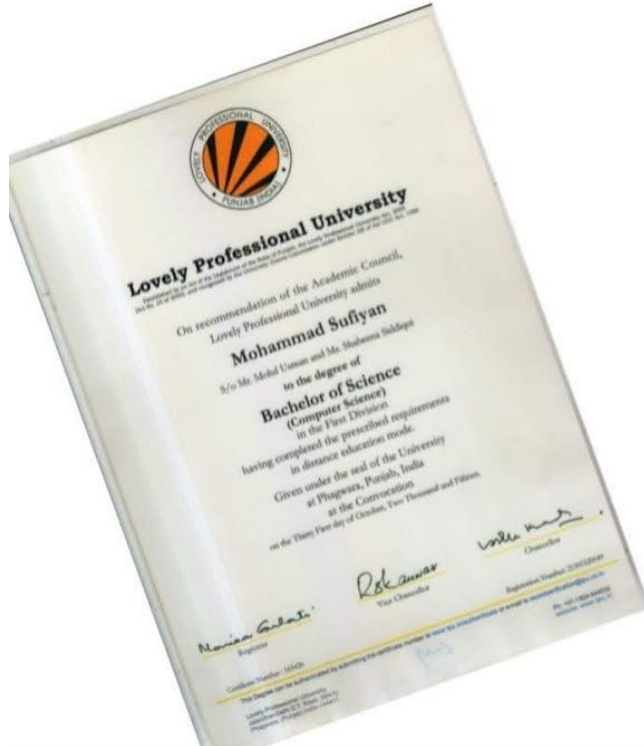
# DiploCheck



A Dapp (decentralized app) that can issue and store OSU student diplomas on a blockchain

# Inspiration

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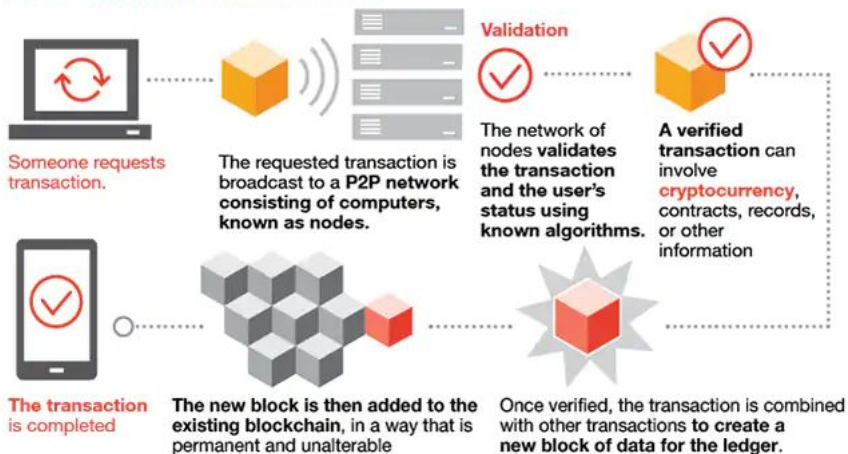
**Verify**  
**Original** **?**  
**OR**  
**Fake**

# What does the project solve?



# How the Ethereum Blockchain works

## How blockchain works



Ganache

ACCOUNTS	BLOCKS	TRANSACTIONS	CONTRACTS	EVENTS	LOGS
CURRENT BLOCK 508	GAS PRICE 20000000000	GAS LIMIT 0721975	HARDFORK MURGLACHER	NETWORK ID 5777	RPC SERVER HTTP://127.0.0.1:7545
MINING STATUS AUTOMINING			WORKSPACE QUICKSTART		
SAVE			SWITCH		

TX HASH		CONTRACT CALL	
0x7056f6410cdaa7b05df824dfbf8522d304e1c77aa629620a99bc137f4f41e644			
FROM ADDRESS 0x1487D4B05C027171AC06F4622688C0adE7937953	TO CONTRACT ADDRESS 0x39592F99A30462E526AF9718AC1D960FF2b3d7E	GAS USED 27335	VALUE 0

TX HASH		CONTRACT CREATION	
0x5f362df8201b744f02a37179464a61f4f517703f548b07bd340dec3f1f074e5			
FROM ADDRESS 0x1487D4B05C027171AC06F4622688C0adE7937953	CREATED CONTRACT ADDRESS 0x0f9747974AF4B4CD1603E3AAD30D99040E547FFA	GAS USED 1634792	VALUE 0

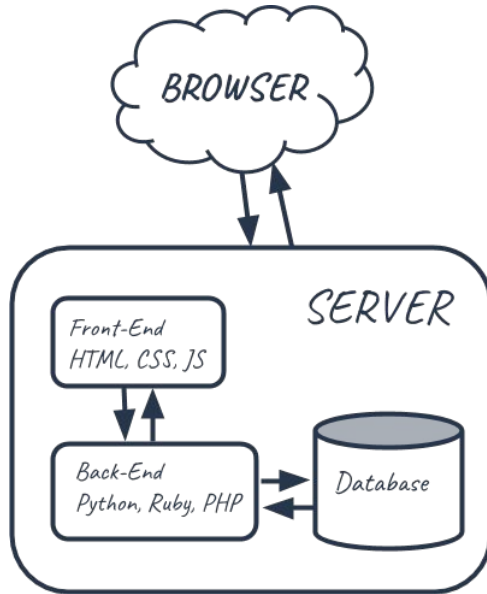
TX HASH		CONTRACT CALL	
0x74dd805312099783110d8aceb4fabc307ac3ac1047a8b29d0ea676d70b96461d			
FROM ADDRESS 0x1487D4B05C027171AC06F4622688C0adE7937953	TO CONTRACT ADDRESS 0x39592F99A30462E526AF9718AC1D960FF2b3d7E	GAS USED 42335	VALUE 0

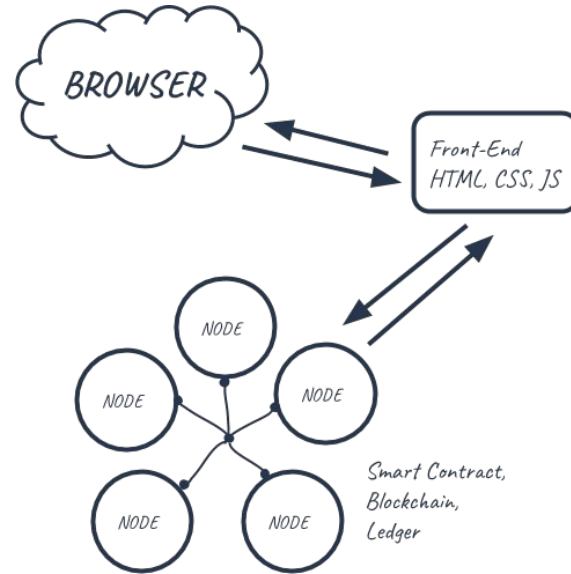
TX HASH		CONTRACT CREATION	
0xbbf14348fcc14b3cf87ad80c5a8e3b176bebd11e2005e5a82f8c7c740ce5302b			
FROM ADDRESS 0x1487D4B05C027171AC06F4622688C0adE7937953	CREATED CONTRACT ADDRESS 0x39592F99A30462E526AF9718AC1D960FF2b3d7E	GAS USED 186951	VALUE 0

# Typical VS Blockchain web development

## Typical



## Blockchain



# Blockchain Developer Tools



Ethereum



Ganache

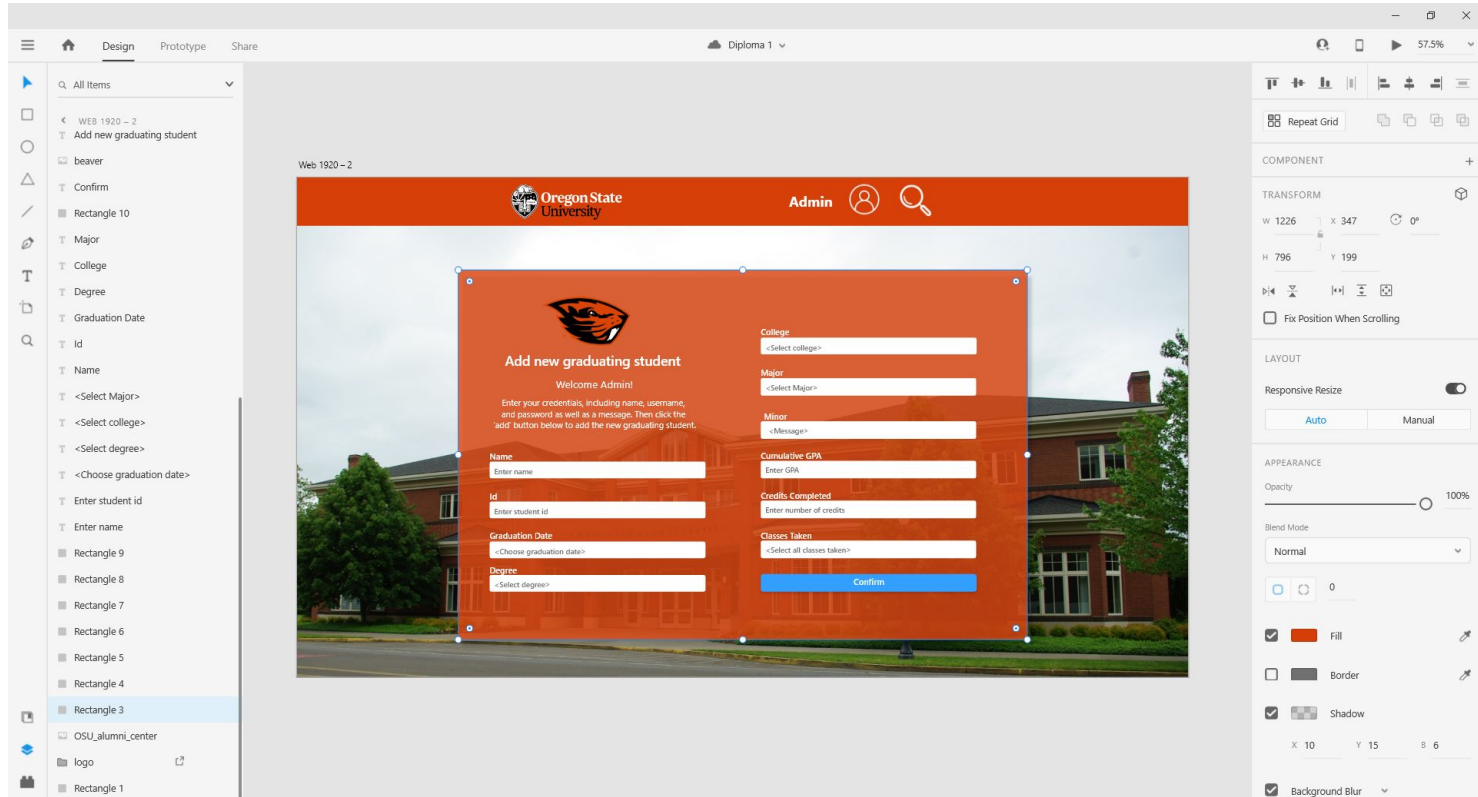


TRUFFLE



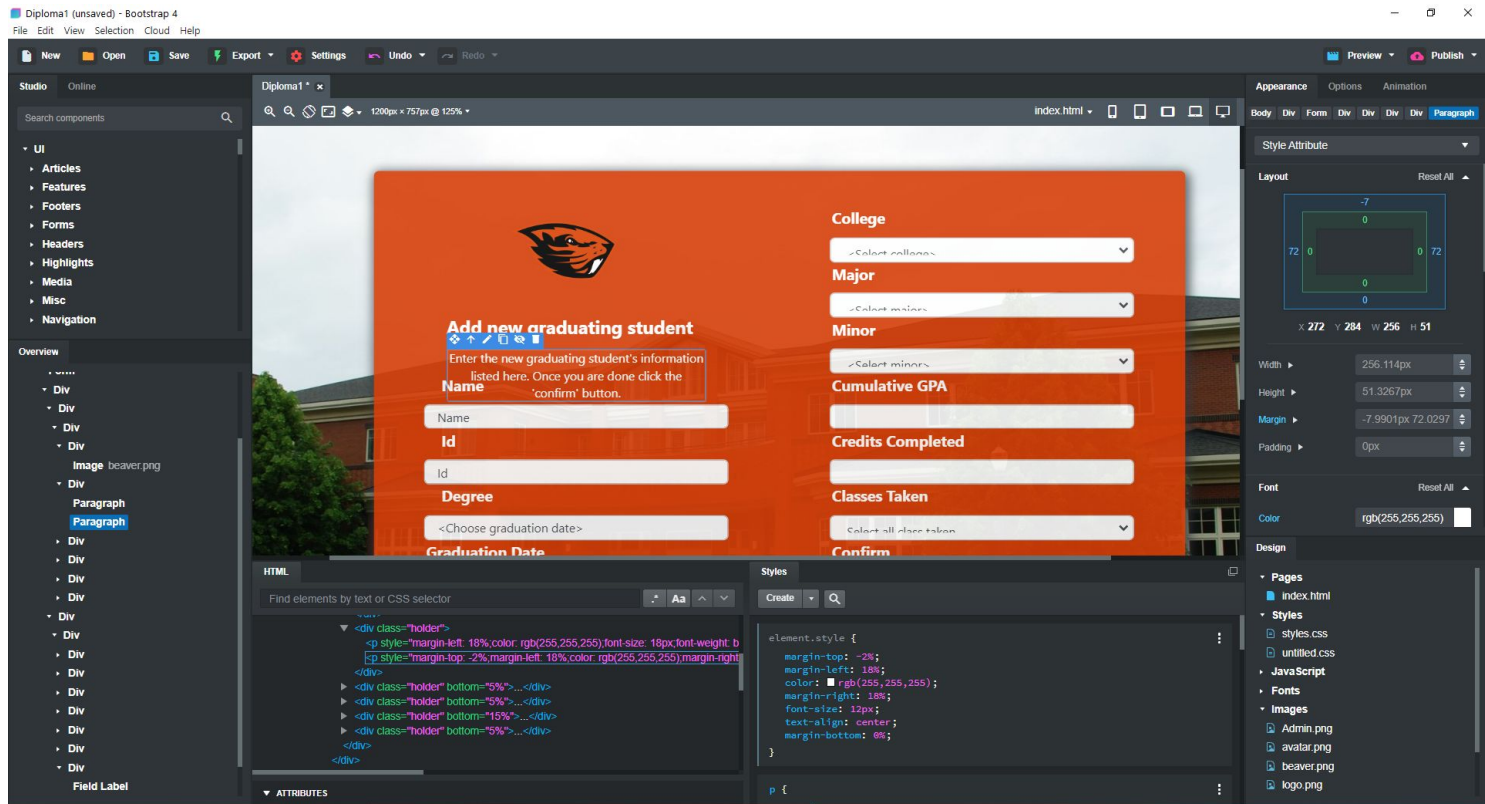
Metamask

# Adobe XD Design



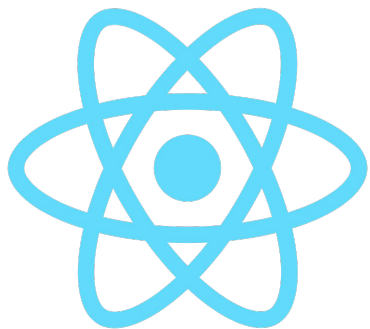


# Bootstrap Studio Design





# Frontend tools



# Future development

