

Frontend Initialization

**File:** frontend/App.js

1)App.js load initial state and connect to smart contract through BugBountyInterface.js

2)Renders components PostBounty, SubmitBugReport, and ManageRewards.

**Action:** Shows the UI elements for user interaction.

**File:** frontend/BugBountyInterface.js  
BugBountyInterface.js

(Initializes Web3 and creates a contract instance using BugBounty.json)

(BugBounty.json is a compiled file of my smart contract named BugBounty.sol.  
Path of compiled file is /build/contracts/BugBounty.json

**File:** frontend/PostBounty.js

**Function:** handlePostBounty()

**Action:** Collects input data from the user.

**Calls:**postBounty() in BugBountyInterface.js.

**File:** frontend/SubmitBugReport.js

**Action:** Collects input data from the user for the bug report.

**Calls:**submitBugReport() in BugBountyInterface.js.



**File:** frontend/ReleaseRewards.js

**Action:** fetch and display the list of bounties.