1. User Stories

N: As a User, I want to sign in, so I can use the website.

As a User, I want to sign out, for security reasons.

X As a User, I want to sign up, so I can use the service provided by the website.

H As a visitor of the website, I want to see current coin price, so I know the price.

N: As a visitor of the website, I want to see the price trend, so I can expect where the price will go.

As a User, I want sell coins, so I can make money.

As a User, I want to buy coins, so I have coins.

H As a User, I want to post the number of coins and their selling price, so I can offer them to other users.

As a User, I want to add/withdraw money from my account, so I can use the money to my liking.

H: As the site, I want to update the number of unsold remaining coins when a user buys a coin from the site, so I have an overview of the remining coins.

N: As the site, I want to post the price, so it can be seen by users.

H: As the site, I want to update the seller and buyer coin information when a transaction took place, so all information is always up to date.

As the site, I want to update the seller and buyer money information when a transaction took place, so all information is always up to date.

As a site, after a transaction took place, I want to post the price as the current coin price, so the price will be updated.

N: As a site, I want to post the users coin selling posts, so it can be seen by other users.

As a site, I want to show the development of the coin price in a graph or table, so the changes can be traced.

1. Use Cases

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| **Name of Use case** | Sign Up |
| **Date Created** | 23/05/05 |
| **Description** | Users creates an account |
| **Actor** | User, Website/Marcetplace, Database |
| **Precondition** | 1. Website is running 2. User has an Email |
| **Post condition** | 1. User has an account (Username, Password) 2. User has 0 won, 0 coin balance. |
| **Flow** | 1. User presses Sign Up button. 2. User has to give a Username. 3. User has to give a Password. -> Passwort specifications. 4. User has to give a valid Email. 5. User presses Create Account button. 6. Website checks, if the input is valid. 7. Website stores the data. 8. Website assigns the user 0 won and 0 coins. 9. Screen shows “Account created successfully” |
| **Exception** | 1. In step 6, the input is not valid:    1. Show Error message, where the input is not valid.    2. The User has to redo from step 2. 2. In step 7, if the storing fails:    1. Show message, that the account couldn’t be created.    2. End the session. |
| **Additional Requirements** | 1. All alert messages should have OK and Cancel option. |