

Grade A+

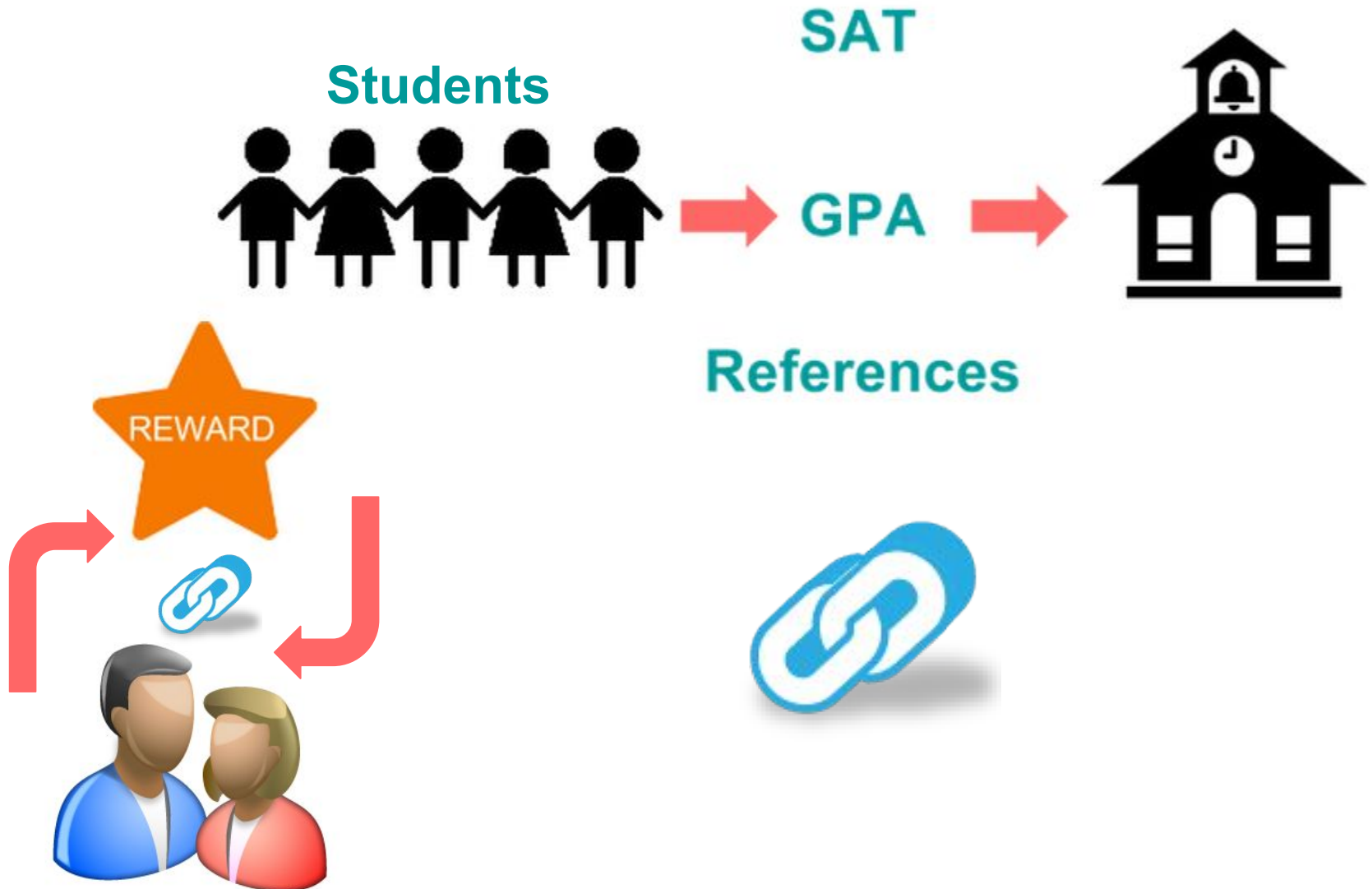


Our Team:

Arianna Groetsema
Alexandra Groetsema
Michael Folkson

Proof of Attendance and Credential Authentication

Scenario 1



Scenario 2



College



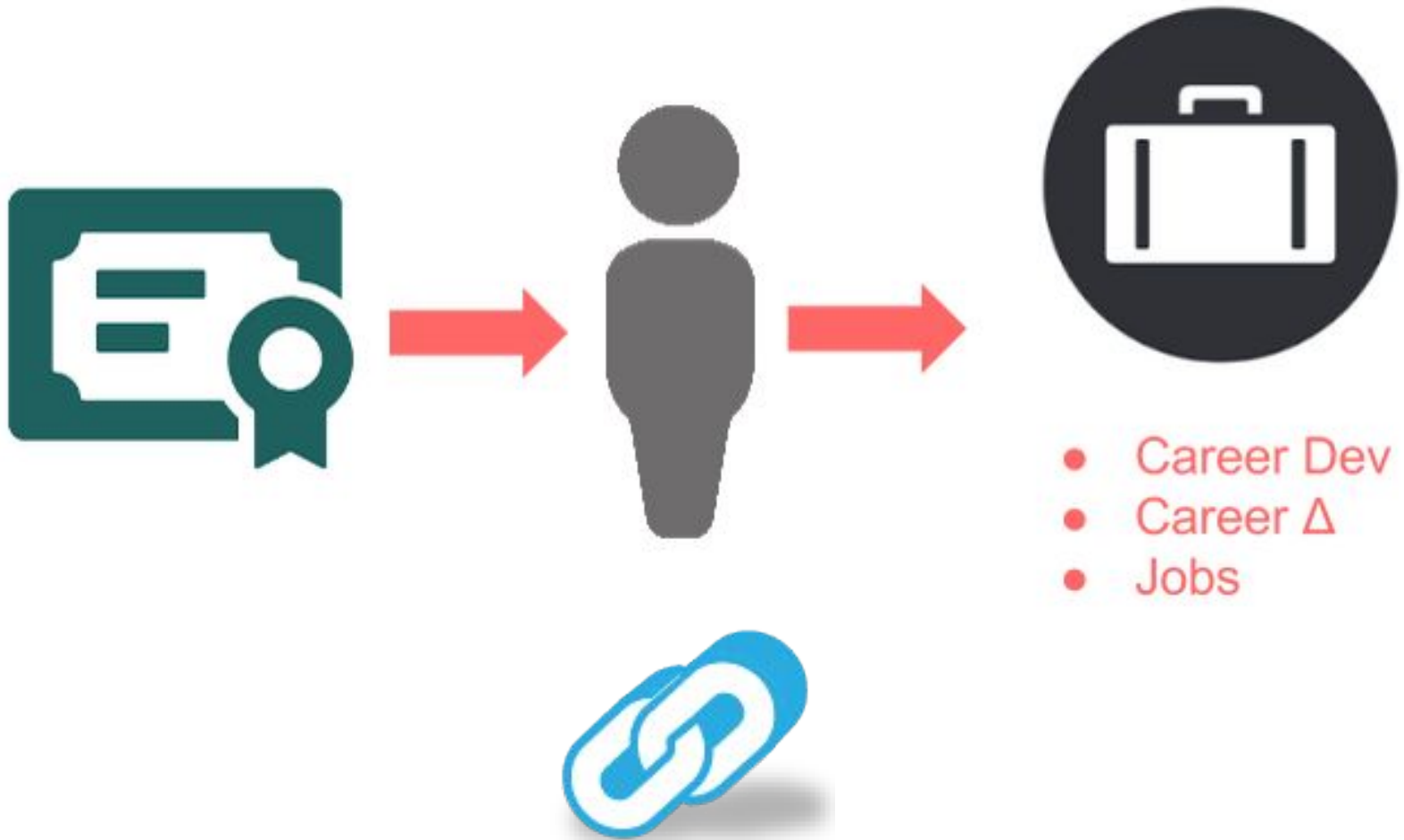
YOU



Transcripts



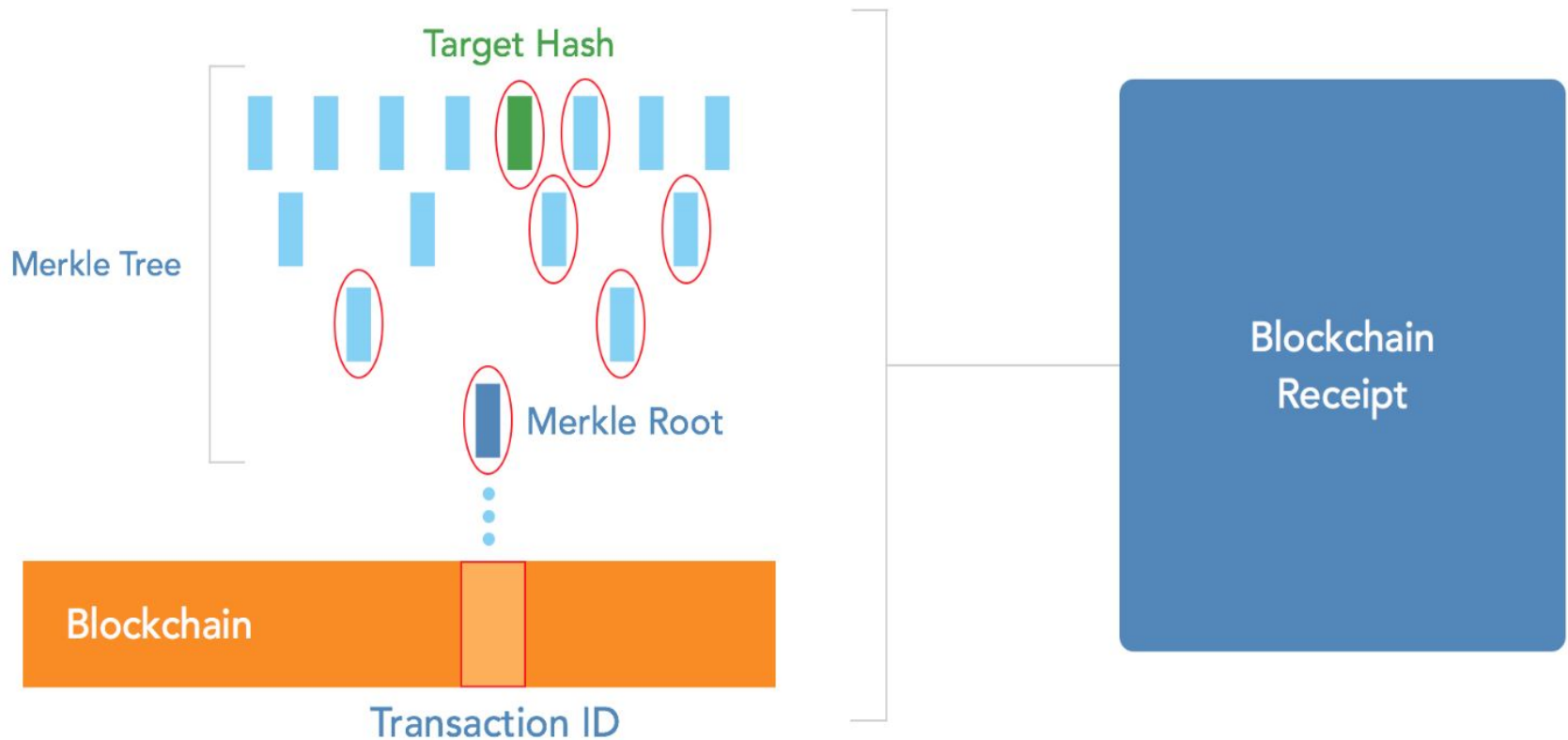
Scenario 3: Credentials and Certifications



Our API's



Storing a record of the hash on the blockchain



OP_RETURN script

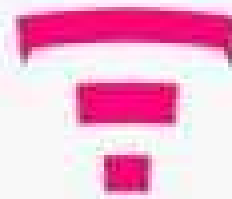
01000000017df4eee40fef1cf0ac17bb9e723489a078511d8b402b106
3d00a5f42dd5fa97b010000006a4730440220779202bedffce6d14c1d
3918215b46de57aa3efb873455b0697ab9002a6226d3022039d6840
12fa8c92d8fe100cb23ec7c07a0129a58b55e82e507c78484b1ef378f0
121027137d153419cbfe555b69a17c862978afa56cc2562568cfbae84
2c47636991a4ffffffff02400d030000000000001976A914E20cf24f62878
ad5da120bd1efe6bcd6b1e13ea388Ac000000000000000000000266a24**4d6**
96b6520526f737320697320612066726175642e204c6f76652041726
9616e6e61207800000000

The OP_RETURN data in HEX. In this case, this is "Alexandra got an A in physics" in HEX. (Converted from ASCII to HEX)


```

38 //Co-Signer Oracle Contract agreement
39 //code for the remote endpoint:
40
41 //id of the parent/student
42 var url = "gradeA.us/<id>/view_grades";
43
44 var request = require('request');
45 x = request.get(url, function (error, response, body) {
46     if (!error && response.statusCode == 200) {
47
48         //parsing through html page which is communiting infomration from tierion
49         // of grade listings for particular student
50
51         var gradeData = JSON.parse(response.body);
52         console.dir(gradeData.results);
53         A_counter = 0;
54         pollData.results.forEach(function(result) {
55             if (result.grade == "A") {
56                 //count the number of grades
57                 A_counter ++;
58             }
59         });
60         console.log('number of A"s ' + A_counter);
61
62         //if student has at least one A
63
64         if(A_counter > 0){
65
66             // Send Coins-----
67             //address to the child's wallet
68             //amount adjustable by parent
69
70             amount = (A_counter) * (0.01 * 1e8)
71             //send coins to
72             wallet.sendCoins({ address: "2NEe9QhKPB2gnQLB3hffMuDcoFKZFjHYJYx",
73                 amount: amount, walletPassphrase: "replaceme" },
74                 function(err, result) {
75                     console.dir(result);
76                 });
77
78     }

```



We've successfully recieved your submission.