Firebase Simulation Testing

Lead Testing:

Authenticated as { id: 110, provider: 'anonymous', uid: 'simplelogin:110' }

/projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JYc\_fRjZ\_IV3WgHIszD

{assignedTo:'simplelogin:111'}

Write was allowed

**Any can create a task testing**

{ id: 112, provider: 'anonymous', uid: 'simplelogin:112' }

/projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/

Attempt to write {"dummyTask":"hi"} to /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks with auth={"id":112,"provider":"anonymous","uid":"simplelogin:112"}  
 /:.write: "auth.uid == 'nodeServer'"  
 => false  
 /projects  
 /projects/-JYcg488tAYS5rJJT4Kh:.write: "!data.exists() || !newData.exists() ||('Lead' == root.child('projects/'+$projectID+'/members/'+auth.uid).val())"  
 => false  
 /projects/-JYcg488tAYS5rJJT4Kh:.validate: "newData.hasChildren(['name','due\_date','description','members']) || data.hasChildren(['name','due\_date','description','members'])"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones:.validate: "true"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl:.validate: "newData.hasChildren(['name','due\_date','description']) || data.hasChildren(['name','due\_date','description']) || !newData.hasChildren() || !data.hasChildren()"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks:.write: "root.child('projects/'+$projectID+'/members/').hasChild(auth.uid)"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks:.validate: "true"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks:.validate: "true"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/dummyTask:.validate: "newData.hasChildren(['name','due\_date','description','original\_hour\_estimate','category']) || data.hasChildren(['name','due\_date','description','original\_hour\_estimate','category']) || !newData.hasChildren() || !data.hasChildren()"  
 => true

Write was allowed.

**Bounty Validation**

Same authentication

{bounties:{dummyName:{claimed:"None",description:"Blah",due\_date:"No Due Date",hour\_limit:0,line\_limit:0,name:"g",points:4}}}

Attempt to write {"bounties":{"dummyName":{"claimed":"None","description":"Blah","due\_date":"No Due Date","hour\_limit":0,"line\_limit":0,"name":"g","points":4}}} to /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R with auth={"id":112,"provider":"anonymous","uid":"simplelogin:112"}  
 /:.write: "auth.uid == 'nodeServer'"  
 => false  
 /projects  
 /projects/-JYcg488tAYS5rJJT4Kh:.write: "!data.exists() || !newData.exists() ||('Lead' == root.child('projects/'+$projectID+'/members/'+auth.uid).val())"  
 => false  
 /projects/-JYcg488tAYS5rJJT4Kh:.validate: "newData.hasChildren(['name','due\_date','description','members']) || data.hasChildren(['name','due\_date','description','members'])"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones:.validate: "true"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl:.validate: "newData.hasChildren(['name','due\_date','description']) || data.hasChildren(['name','due\_date','description']) || !newData.hasChildren() || !data.hasChildren()"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks:.write: "root.child('projects/'+$projectID+'/members/').hasChild(auth.uid)"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks:.validate: "true"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R:.validate: "newData.hasChildren(['name','due\_date','description','original\_hour\_estimate','category']) || data.hasChildren(['name','due\_date','description','original\_hour\_estimate','category']) || !newData.hasChildren() || !data.hasChildren()"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R:.validate: "newData.hasChildren(['name','due\_date','description','original\_hour\_estimate','category']) || data.hasChildren(['name','due\_date','description','original\_hour\_estimate','category']) || !newData.hasChildren() || !data.hasChildren()"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R/bounties/dummyName:.validate: "newData.hasChildren(['claimed','description','due\_date','hour\_limit','line\_limit','name','points'])"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R/bounties/dummyName/claimed:.validate: "newData.isString()&&(newData.val()=='None'||root.child('projects/'+$projectID+'/members/').hasChild(newData.val()))"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R/bounties/dummyName/description:.validate: "newData.isString()"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R/bounties/dummyName/due\_date:.validate: "newData.isString() && (newData.val().matches(/No Due Date/) || newData.val().matches(/^(19|20)[0-9][0-9][-\\/. ](0[1-9]|1[012])[-\\/. ](0[1-9]|[12][0-9]|3[01])$/))"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R/bounties/dummyName/hour\_limit:.validate: "(newData.isNumber() || newData.val()=='None')"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R/bounties/dummyName/line\_limit:.validate: "(newData.isNumber() || newData.val()=='None')"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R/bounties/dummyName/name:.validate: "newData.isString()"  
 => true  
 /projects/-JYcg488tAYS5rJJT4Kh/milestones/-JYc\_9ZGEPFM8cjChyKl/tasks/-JcG6RhiqRVPZhzn-X0R/bounties/dummyName/points:.validate: "newData.isNumber()"  
 => true

Write was allowed.