



## PROGRAMMING TEST

### OUTLINE

Your task is to replicate a demo application. A demo of the application can be viewed at: <https://gigl-demo.firebaseio.com/>.

The application utilizes firebase cloud firestore as a database and angular 7 on the client. You're required to create a Create Read Update Delete (CRUD) of a list of items. The items are ordered by the latest posted instance. The structure of the database is as follows:

- A collection called 'items' contains documents.
- An item has the following fields: o name(string) o posted(Unixtimestamp)



<div><div>🏠</div><div>&gt; items &gt; gK5RlvnUswdf1DdqR9Nb</div><div>✎</div></div>		
<div><div>📁</div><div>gigl-demo</div></div>	<div><div>📁</div><div>items</div><div>☰ ⋮</div></div>	<div><div>📁</div><div>gK5RlvnUswdf1DdqR9Nb</div><div>⋮</div></div>
<div>+ Add collection</div>	<div>+ Add document</div>	<div>+ Add collection</div>



An existing firebase project has been created for you and the settings are as follows:

```
firebase: {  
  apiKey: "AlzaSyA4ugWOHkE-qu6UQXrNsxIMwshIK4QoO7I",  
  authDomain: "gigl-demo.firebaseio.com",  
  databaseURL: "https://gigl-demo.firebaseio.com",  
  projectId: "gigl-demo",  
  storageBucket: "gigl-demo.appspot.com",  
  messagingSenderId: "834847182646"  
}
```

Once you have finished, create a GitHub repository and add “hcroakerDev” to the repository.



Marking Criteria	1	2	3	4	5
Design	No Design	Design not followed and not responsive	Design has flaws and is non responsive	Design is close to correct and somewhat responsive	Responsive and correct design
Functionality	Does not work	Has many flaws but still works	Works with missing functionalities	Works but has very little flaws.	Works fully with no flaws
Coding Standards	Code is hard to read and has no standards	Has some standards	Some coding standards exist	Coding standards are good, and code is efficient	Code is readable, standards are followed, logic is excellent, and code is highly efficient

If you have any questions or problems with the demo application, please don't hesitate to ask us.