



Interconnection Ltd.

Round 1: Technical Tasks

Angular Part:

Create an angular module that meets the following requirements:

- 1) It must be able to pass data between route controllers. Like for example have an input field in one route where its contents will be displayed in the next route. Please do not use `$rootScope`.
- 2) Has a filter that takes the following array and arranges its items by "name" and orders them -

```
[  
  {id: 3, name: 'rahaman'},  
  {id: 1, name: 'bashar'},  
  {id: 2, name: 'anwar'},  
]
```
- 3) Has a directive that is dependent of *ngModel*, restricts the input to numbers only for key press.
- 4) Uses ui-route to have multiple *ui-views* in the page. Each view should load a content based on the route.

Django and DRF Part:

Create a Django and DRF application that will expose the following API endpoints.

- 1) `/api/v1/contact/` - A user will be able to get a list of all the contacts and will be able to create a new contact using this endpoint.
- 2) `/api/v1/contact/<id>/` - A user will be able to update and delete a contact using this endpoint.

Other Requirements:

- Proper documentation
- All code must be indented properly.
- Use separate files for controller, service, factory, route etc in angularJS.
- Use proper spacing, semicolons, commas in your code.
- UI should be responsive.
- Test your code using pylint and eslint (If possible)