Personal Question

1.) Why do you want to move to Berlin?  
  
I have more than 5 years’ experience in SriLanka and I think this is the time to acquire some international exposure for me.

Cultural values of one of the world’s prominent history attract me & the freedom that people are enjoying is encouraging for the migrants. As Germany is the biggest economy in the European region & inside Berlin it's potentials over different arenas feels me that I can experience many things too other than my professional exposure.  
Also Germany, Berlin is one of the favorite cities. So considering above things I would like to move to Berlin.  
  
  
2.) What’s your motivation for wanting to work at DeliveryHero?

Technology is the emerging & the driving force of the human history. As an Engineer I’m really aware of the technology & its latest trends, advancements.

Apart from that I believe, benefits of the technological advancements should go to the all layers of the society & I think it's my responsibility as an Engineer to make the world a better place. As per my knowledge your company also trying achieve this goal using different kind of latest technologies like mobile development.

"DeliveryHero" is a company belongs to Top 100 companies in Europe and doing their business all around the world, which is willing to give that benefit to the people in Innovative manner & I hope provides a good environment to a tech guy like me.

Personally I believe with my experience & expertise I can add some cool new stuff & like to work with online transactions in mobile technology best suits me.

Tech Questions/Tasks

1.) what was your biggest programming challenge?

As an android developer my biggest programming challenge is support multiple screen sizes and multiple manufactures. Because there area some situations same android code behave different in different devices.

2.) Go to <https://github.com/fgoncalves/AlbumSample>

 and fork the project. This project is a sample app to list meta-data related with music. This app lacks a lot of functionality and optimization. Right now it only lists albums and gives no context to the user. Let’s try and change this. When you’re done, just make a pull request to our master branch and we’ll take a look at it. You can and are encouraged to use third-party libraries. Please just remember to explain your choices in a readme file.

Legend - Blue is easy, Orange is medium and Black is Hard

1. As you can see we created 1000 dummy entries in our list fragment. For the sake of simplicity let’s keep this dummy data generation, but let’s assume we have a lot more entries in our list. If there’s a way we could optimize our adapter, how would we do it? Please refactor the code as you see fit.

DONE

2. When we open the drawer we can select different sections. You will see “Albums”, “Songs” and “Artists”. However, there’s no contextual information for the user. It doesn’t matter if the drawer is opened or closed, or if a drawer item is clicked, the action bar title is always the same. Let’s change this such that when the drawer is opened we display the name of our app and upon an item selection we display the item’s name.

DONE

3. Now our application provides more information to the user, but the list always displays the same items. Let’s change our list whenever the user selects another item from the drawer. For the sake of simplicity you can simply create dummy items and change the main header.

4. Now that we have different lists we can focus on the list items. The picture on said items is always the same. Imagine we have a server hosting our pictures. How could we change our current code to support loading these pictures. You don’t need to code the part that interacts with the network, just leave it with stub methods. Please describe your choices in a “readme” file. Please take into consideration performance and usability. We don’t want the user to feel like his/her device is not performing well and we still want to give the user the opportunity to interact with the app.

DONE

Use real network request to download some images.

5. (BONUS) Adapt the app such that when using a tablet, instead of displaying a list of elements we display a grid with 2 columns.

DONE

Use grid view with 2 columns for tablets.

Created new project using eclipse which is reflect all above tasks. (Attachments/AlbumSample\_eclipse.zip)

Also attached same project which is build using android studio.(Attachments /AlbumSample\_studio.zip)

3.) Code a small app that makes use of fragments and changes it's layout on screen configuration changes (use your hobbies as the theme for the content)  Hint: <http://developer.android.com/guide/components/fragments.html#Example>

DONE.

Attached Eclipse android project.

(Attachments /AndroidDeliveryHero.zip)

4.) Download our app and tell us what you think could be improved:  
  
01.Application can be optimized for tablets. Seems like can change application design to use fragments/grid views.  
Also can change font size/label size for match with tablets.  
  
02.There are lot of colors use inside the application and seems like we can use color theme to improve UI layouts and views.  
  
03.can be improving for support both orientations.  
  
04.Better to use some UX (not UI) guidance for improve usability aspects. Because first time I got some confused with navigation inside the application.  
  
05.Application's slide-out menu (top left corner) can be change to visible always. Then use can always access features inside slide-out menu.  
  
06.Application search feature can be move to top left corner of the title bar (action bar) and make it visible always.  
  
07.Menu screen contains some images those are not stretch properly.(Eg.Action bar image)  
  
08.I would like to add new feature to add user's favorite restaurants or meals and this feature should be accessible easily. Then user will able to select his/her favorite items quickly.  
  
09.I would like to add new feature to show special offers and deals kind of things inside the application. This feature should be visible without lot of navigations.