1. **Guidelines**

Task : You will be asked to upload a product image from the image gallery. Then you will draw a box around each individual instance of product.

1. Log into annotation application with your username and password.
2. On the middle left side of application screen, you will see an upload button. Click on upload button.
3. After clicking upload button, file browser will open. Select an image from listed ones.
4. Wait 5-10 seconds image to be uploaded into application.
5. On the right side of the application, you will see the loaded image.
6. You will some item or items in the image.
7. There may be 2 options before drawing a box around each individual instance of item sold.
   * If item is sold individually, then draw around only that item.
   * If item is sold together, then draw a box for each instance.
8. If boxes drawn are put on correctly on items, click on Submit&Next button at the left buttom side application screen.
9. It may take 5-10 seconds to submit an image. Wait until application returns back.
10. Be ready for the process next image and if you want to keep on upload a new image.
11. If you want to finish, click on Logout button on the upper left side of the screen.
12. Before you start, please examine examples below.
13. **Visual Examples**

INPUT OUTPUT

A bicycle parked on a sidewalk

Description automatically generated A bicycle parked on the side of the road

Description automatically generated

A close up of a footwear

Description automatically generated A picture containing colorful, sitting, table, blue

Description automatically generated

A picture containing indoor, monitor, microwave, sitting

Description automatically generated A picture containing indoor, monitor, computer, sitting

Description automatically generated

A picture containing appliance, indoor, dryer, cabinet

Description automatically generated A picture containing appliance, indoor, dryer, washer

Description automatically generated

A bicycle parked in front of a blue wall

Description automatically generated A picture containing grass, outdoor, blue, front

Description automatically generated

A close up of a hard wood floor next to a door

Description automatically generated A door in a room

Description automatically generated

1. **Design Decisions:**

While preparing annotation guideline, I tried to explain task step by step and be clear on what is expected to do. Also, I assumed that annotators will have basic computer literacy.

1. **Questions to Engineering Team**

How long does it take an image to be downloaded and uploaded?

Will annotators be provided internet access?

1. **Estimation**

Given that we want 1 million annotations and have a pool of 100 full-time annotators, an image can be processed for about 30 seconds. 10 seconds for downloading and uploading. 20 seconds to draw a box or boxes. It takes 500,000 minutes (8334 hours). In a 9-hour daily work, they will have break 10 minutes at every 50 minutes and 60 minutes of lunch break. So, we will have 8x50= 400 minutes efficient time. All task can be accomplished in 12,5 days if everything goes well. Some annotators may not work due to illness or some other reasons. For that reason, most probably all task can be done in 14 days.

After 50 minutes work, 10 minute break should be compulsory for annotators. Also, they should not work more than 400 minutes a day since they may not focus their attention on the task.