HTML Handling

This lesson will explain how to render HTML attributes in text.

Sometimes we need to render a big chunk of text on the mobile device. To make this text more readable, it’s very common to load it from the Internet in HTML format. Let’s take a look at how we can render an article description text if it contains some HTML attributes.

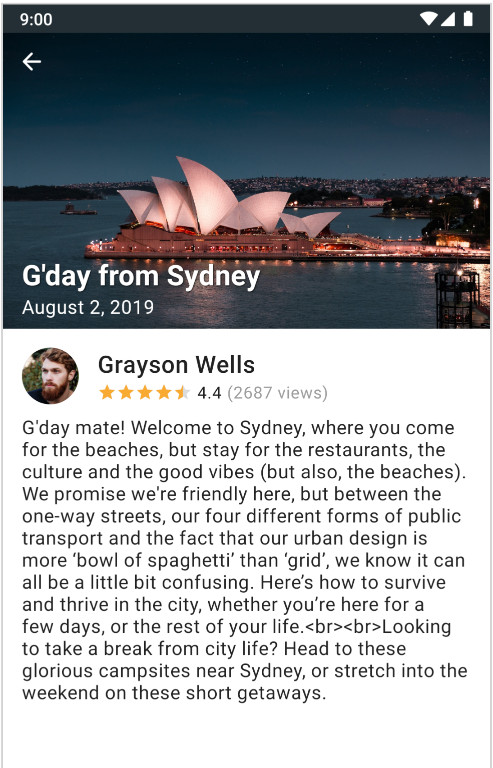
Start by changing a blog article URL in the `BlogHttpClient` to the new format.

```
public final class BlogHttpClient {

    public static final BlogHttpClient INSTANCE = new BlogHttpClient();

    private static final String BASE_URL =
            "https://bitbucket.org/dmytrodanylyk/travel-blog-resources/raw/";
    private static final String BLOG_ARTICLES_URL =
            BASE_URL + "647f4270e4271fbff28f1d80e2f2d12b3bd4a1cd/blog_articles.json";
    ...
}
```

If we launch the application, we will see the following output.

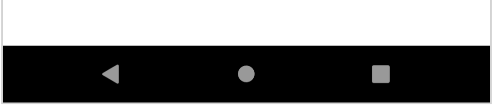


G'day from Sydney
August 2, 2019

Grayson Wells

G'day mate! Welcome to Sydney, where you come for the beaches, but stay for the restaurants, the culture and the good vibes (but also, the beaches). We promise we're friendly here, but between the one-way streets, our four different forms of public transport and the fact that our urban design is more ‘bowl of spaghetti’ than ‘grid’, we know it can all be a little bit confusing. Here’s how to survive and thrive in the city, whether you’re here for a few days, or the rest of your life.

Looking to take a break from city life? Head to these glorious campsites near Sydney, or stretch into the weekend on these short getaways.



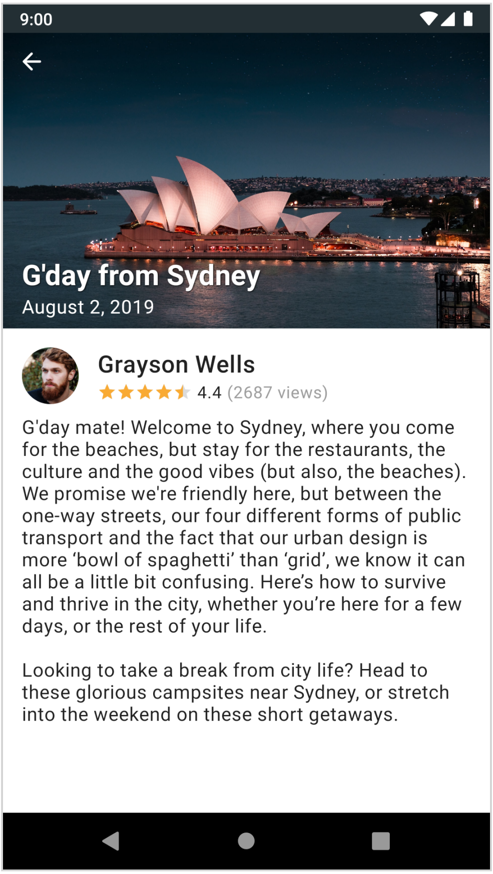
The text itself is rendered correctly, but HTML tags like `<br>` are ignored. We can easily fix this issue by using the `Html.fromHtml` method in the `BlogDetailsActivity`. This method creates styled text from the provided HTML string.

```
public class BlogDetailsActivity extends AppCompatActivity {

    ...
    private void showData(Blog blog) {
        progressBar.setVisibility(View.GONE);
        textTitle.setText(blog.getTitle());
        textDate.setText(blog.getDate());
        textAuthor.setText(blog.getAuthor().getName());
        textRating.setText(String.valueOf(blog.getRating()));
        textViews.setText(String.format("(%d views)", blog.getViews()));
        textDescription.setText(Html.fromHtml(blog.getDescription()));
        ratingBar.setRating(blog.getRating());
        ratingBar.setVisibility(View.VISIBLE);

        ...
    }
}
```

If we launch the application, we will see the following output.



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★★★★☆ 4.4 (2687 views)

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Hit the *run* button to try it yourself.

```
package com.travelblog.http;

public class Author {

    private String name;
    private String avatar;

    public String getName() {
        return name;
    }

    public String getAvatar() {
        return avatar;
    }
}
```

Now that we have created the detail screen for our travel blog, in the next chapter, we will move on to creating a blog list activity.