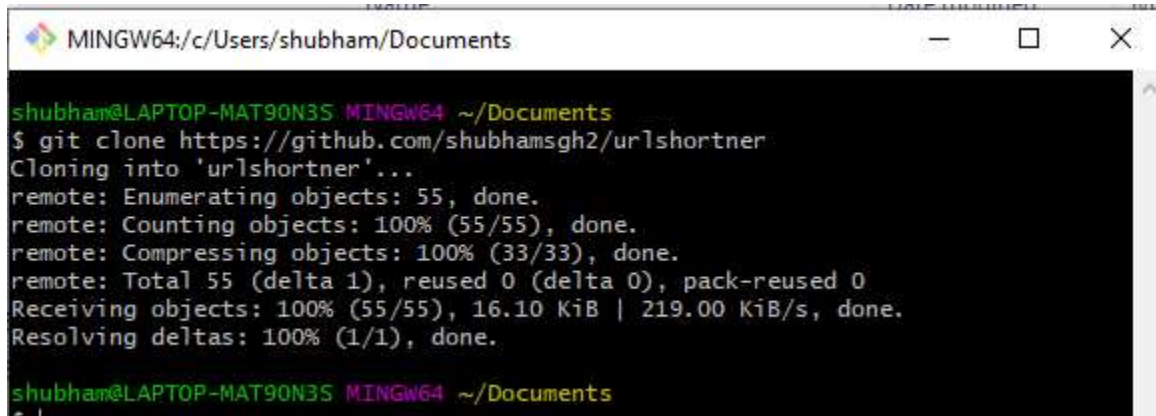


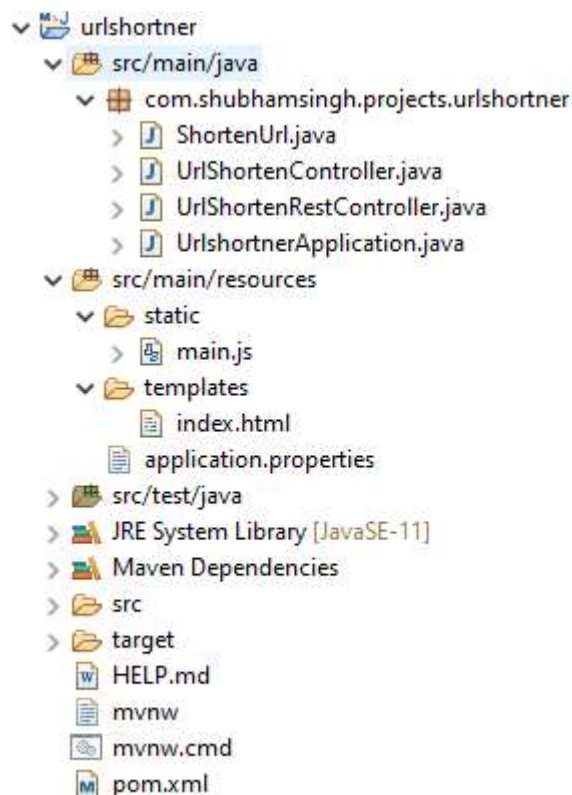
Steps to Run:

- 1) Clone the git repository via below command
`git clone https://github.com/shubhamsgh2/urlshortner`



```
MINGW64:/c/Users/shubham/Documents
shubham@LAPTOP-MAT90N35 MINGW64 ~/Documents
$ git clone https://github.com/shubhamsgh2/urlshortner
Cloning into 'urlshortner'...
remote: Enumerating objects: 55, done.
remote: Counting objects: 100% (55/55), done.
remote: Compressing objects: 100% (33/33), done.
remote: Total 55 (delta 1), reused 0 (delta 0), pack-reused 0
Receiving objects: 100% (55/55), 16.10 KiB | 219.00 KiB/s, done.
Resolving deltas: 100% (1/1), done.
shubham@LAPTOP-MAT90N35 MINGW64 ~/Documents
```

- 2) Upon Successfully cloned into our system , We have to import this maven project in eclipse or any other IDE
- 3) After successfully importing the project into IDE, project structure will look like this.



- 4) After Importing, we have to build or update our maven to include our dependencies.

To do that you can right click on our project > Maven > Update Project > Click OK

Wait for some time; it takes few minutes to download maven dependencies depending on ISP speed.

- 5) Once our Project is updated you can run our Java Main file.

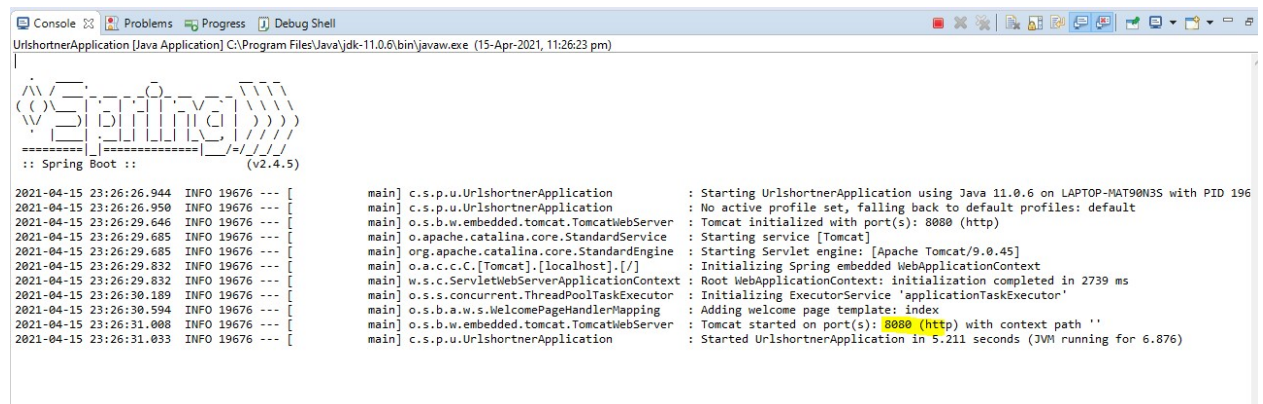
If you're using Eclipse , To find the main class press "CTRL+SHIFT+R" and put `UrlshortnerApplication.java`

If you're using some other IDE, find the main class here

`/urlshortner/src/main/java/com/shubhamsingh/projects/urlshortner/UrlshortnerApplication.java`

Run the main class by right click on the `UrlshortnerApplication.java` class >> Run As>> Java Program

- 6) Wait for some time, it will initiate tomcat server to deploy
- 7) On the console you can find the port on which it is deployed.



```
Console | Problems | Progress | Debug Shell
UrlshortnerApplication [Java Application] C:\Program Files\Java\jdk-11.0.6\bin\javaw.exe (15-Apr-2021, 11:26:23 pm)

:: Spring Boot ::
:: (v2.4.5)

2021-04-15 23:26:26.944 INFO 19676 --- [main] c.s.p.u.UrlshortnerApplication : Starting UrlshortnerApplication using Java 11.0.6 on LAPTOP-MAT90N3S with PID 196
2021-04-15 23:26:26.950 INFO 19676 --- [main] c.s.p.u.UrlshortnerApplication : No active profile set, falling back to default profiles: default
2021-04-15 23:26:29.646 INFO 19676 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat initialized with port(s): 8080 (http)
2021-04-15 23:26:29.685 INFO 19676 --- [main] o.apache.catalina.core.StandardService : Starting service [Tomcat]
2021-04-15 23:26:29.685 INFO 19676 --- [main] org.apache.catalina.core.StandardEngine : Starting Servlet engine: [Apache Tomcat/9.0.45]
2021-04-15 23:26:29.832 INFO 19676 --- [main] o.s.c.c.C.[Tomcat].[localhost].[/] : Initializing Spring embedded WebApplicationContext
2021-04-15 23:26:29.832 INFO 19676 --- [main] w.s.c.ServletWebServerApplicationContext : Root WebApplicationContext: initialization completed in 2739 ms
2021-04-15 23:26:30.189 INFO 19676 --- [main] o.s.s.concurrent.ThreadPoolTaskExecutor : Initializing ExecutorService 'applicationTaskExecutor'
2021-04-15 23:26:30.594 INFO 19676 --- [main] o.s.b.a.w.s.WelcomePageHandlerMapping : Adding welcome page template: index
2021-04-15 23:26:31.008 INFO 19676 --- [main] o.s.b.w.embedded.tomcat.TomcatWebServer : Tomcat started on port(s): 8080 (http) with context path ''
2021-04-15 23:26:31.033 INFO 19676 --- [main] c.s.p.u.UrlshortnerApplication : Started UrlshortnerApplication in 5.211 seconds (JVM running for 6.876)
```

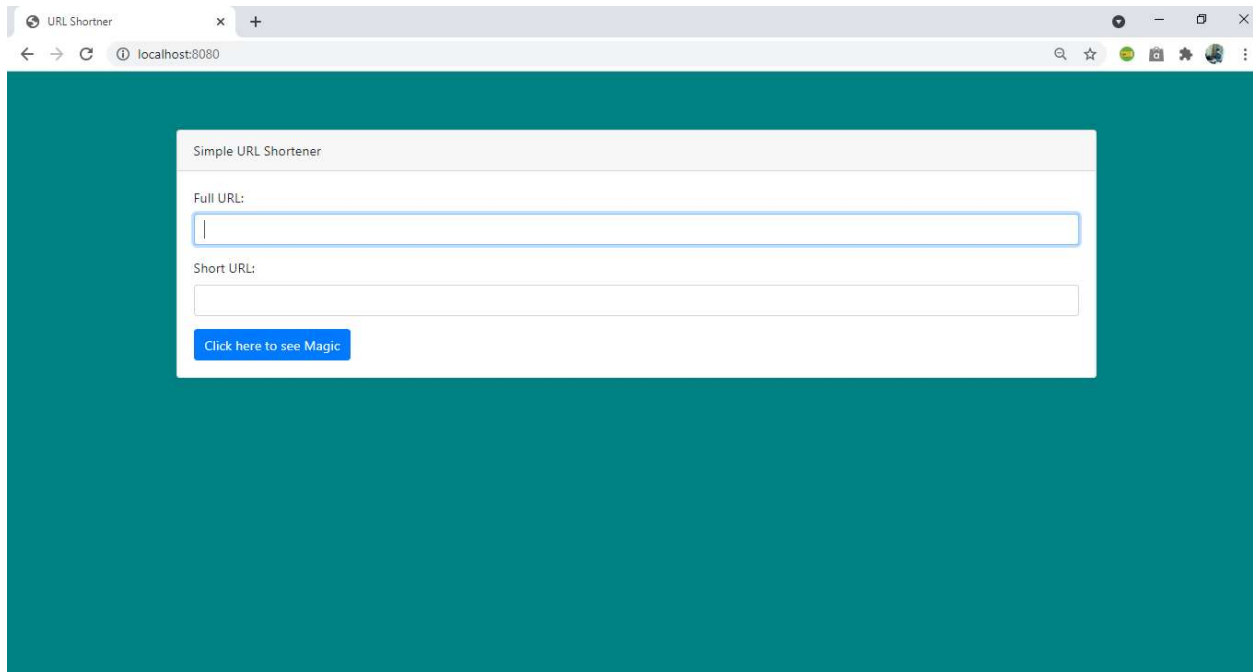
To access my application you can browse in chrome or edge via this link-

<http://localhost:8080/>

Demonstration of Feature:

To access an application you can browse in chrome or edge via this link- <http://localhost:8080/>

Main Page will be as shown below.



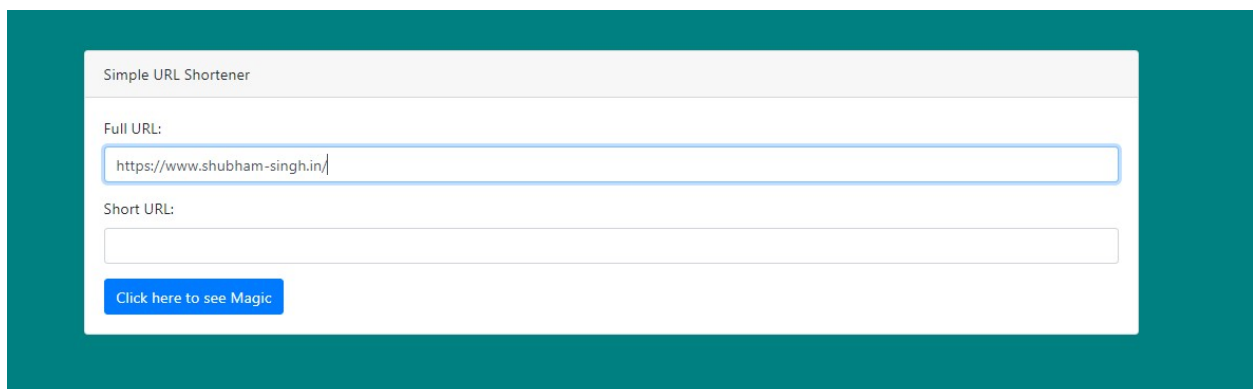
It will ask for the Full Url for an input.

Once we have put the full url we have to click the Magic button(pun intended ::D) to get the Short URL.

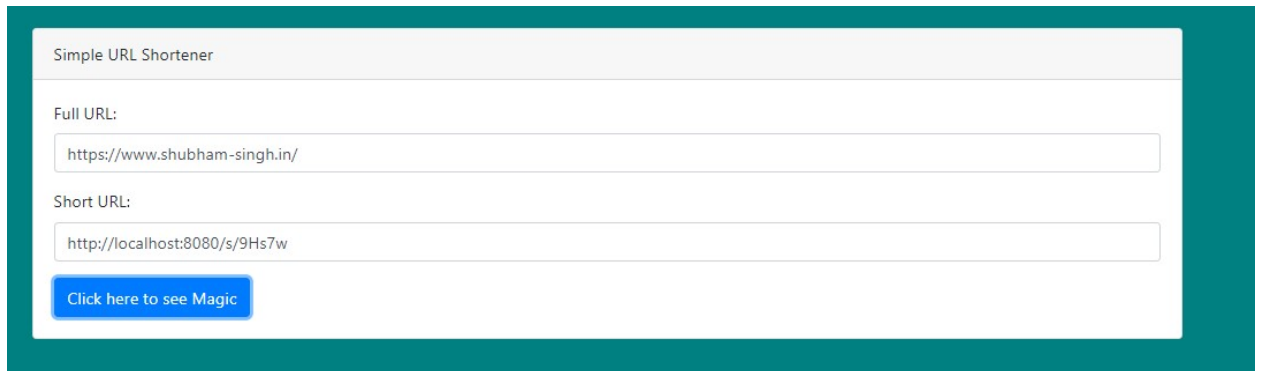
Let's illustrate with an example.

Let's say I have to shorten the following link: <https://www.shubham-singh.in/>

- 1) I'll input my link into Full URL text field as shown below.



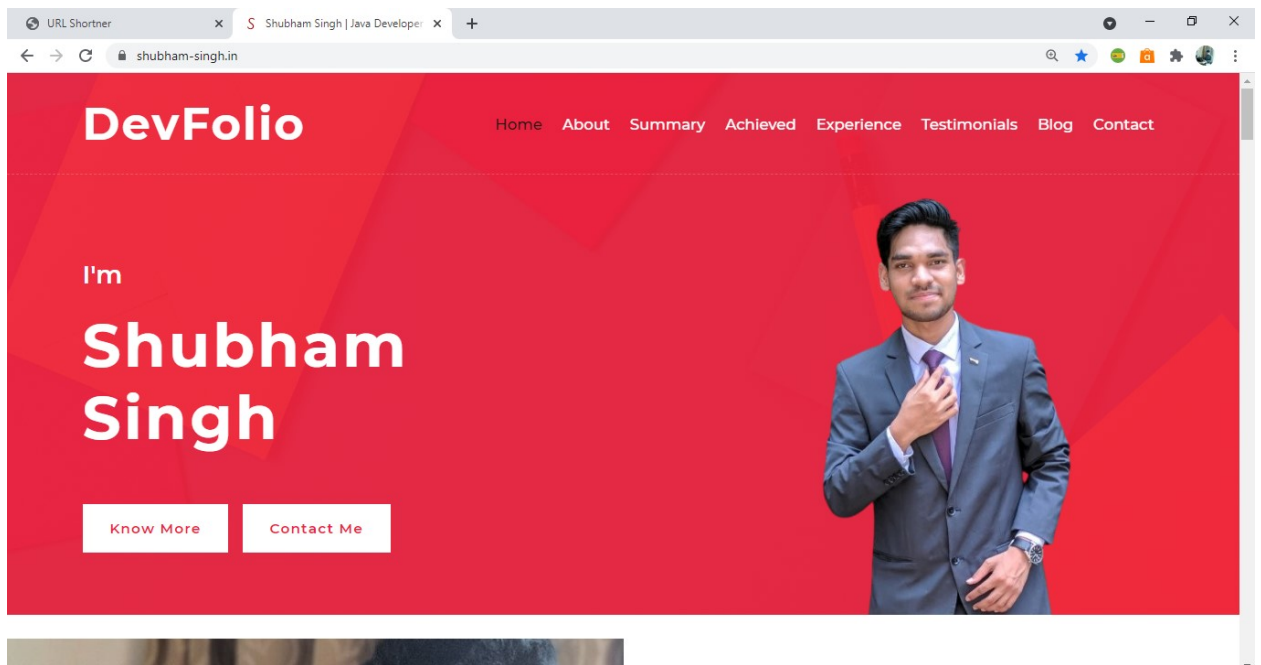
- 2) Now Click our Magic button :D to generate our short URL
Once you click Magic Button, Short URL will appear in the textbox as shown below



The screenshot shows a web application titled "Simple URL Shortener". It has two input fields: "Full URL:" containing "https://www.shubham-singh.in/" and "Short URL:" containing "http://localhost:8080/s/9Hs7w". Below these fields is a blue button labeled "Click here to see Magic".

- 3) Now copy this short URL and check in browser whether it is redirecting to Full Url or not.

Yaay... It DID!



You can try your own link as well.

Try and see the magic of this feature! 😊

