Email Domain Blacklist (for Software Engineer)

The company's mailbox system recently has been spammed by lots of junk and even virus contained emails.

In order to filter out those unwanted emails from reaching the mailbox, we need to come up with a simple system that can blacklist certain malicious email domains.

You need to come up with a **web application** that can do the following:

1. Store & persist new blacklisted email domains so that it can be loaded up the next time the system starts
2. A user interface to add an email domain to the blacklist
3. A user interface to delete email domain from the blacklist
4. A user interface to list all email domains currently maintained in the system
5. A user interface to check a given email address whether its domain is blacklisted

Some examples of email domains that the system keeps track of initially:

altavista.com

dynamitemail.com

horrormail.com

pochta.ru

web-police.com

Project requirements:

1. Please use **Maven 3** as the build system
2. Please use either **JDK 7** or **JDK 8**
3. Please **DO NOT** ask us to install separate components/software to run your application, e.g. database, app server, etc.  
   If you would like to use them in your application, please find the embedded component that can be started up along with the Maven build lifecycle or with your application.
4. You can use any framework or library that you see fit for the problem or you are familiar with.  
   However, please try not to overuse them.  
   Questions will be asked on the selected frameworks and libraries.
5. Please write **unit tests**.  
   The higher the coverage is the better.
6. Bonus: If you can also write automated acceptance tests to verify the application functionalities
7. Submit your **clean** project source code in a **ZIP** format.  
   Also provide a **README.txt** in order to tell us how to build and run your application.  
   You can also include your assumptions on the problem and some explanations on the high level design of the application.