Appendix to Final Project Report

Here, I describe a variety of test cases that reasonably check various possible shortcomings and attacks that the website may be prone to.

Email Validation Test Cases (Invalid email addresses):

- "plainaddress"
- "@no-local-part.com"
- "Outlook Contact <test@example.com>"
- "no-at-symbol"
- "test@.com"
- "test@site."
- "test@.site.com"
- "test@site..com"
- "@."
- "🥺😍@🟩🟩🟩.ᵀᴹᵀᴹᵀᴹ"

SQL Injection Test Cases (SQL injection attempts):

- "'; DROP TABLE reviews; --"
- "OR '1'='1'"
- "OR ""=''"
- "OR x=x"
- "OR 'x'='x'"
- "OR 1=1--"
- "OR 'text'='tEXT'"
- "') OR ('x'='x"
- "'; exec master..xp_cmdshell 'ping 172.10.1.255'--"
- "'; declare @s varchar(8000) select @s = db_name() if (charindex(' ',@s)>0) waitfor delay '0:0:2'--"
- "1; DROP TABLE users"

Here, I demonstrate the outputs of the test cases as run through the Selenium script. The script inputs these test cases from a file and inputs them in the name and email fields. (SQL injection cases were tested in the name field).

```
PS C:\Users\rajat\Desktop\Ashoka\Semester 6\FP\final-project> stack runghc .\testing.hs
JHI
WEB
plainaddress not accepted.
@no-local-part.com not accepted.
Outlook Contact <test@example.com> not accepted.
no-at-symbol not accepted.
test@.com not accepted.
test@site. accepted.
test@.site.com not accepted.
test@site..com not accepted.
@. not accepted.
≡ƒÑ║≡ƒÿ≡@ff-≡ff-≡ff-.┌äó┐Å┌äó┐Å┌äó┐Å not accepted.
'; DROP TABLE reviews; -- not accepted.
OR '1'='1' not accepted.
OR ""=' not accepted.
OR x=x not accepted.
OR 'x'='x not accepted.
OR 1=1-- not accepted.
OR 'text'='tEXT' not accepted.
') OR ('x'='x not accepted.
'; exec master..xp_cmdshell 'ping 172.10.1.255'-- not accepted.
'; declare @s varchar(8000) select @s = db_name() if (charindex(' ',@s)>0) waitfor delay '0:0:2'-- no
t accepted.
1; DROP TABLE users not accepted.
PS C:\Users\rajat\Desktop\Ashoka\Semester 6\FP\final-project> []
```

Please note that the "JHI" and "WEB" lines were just debugging print statements I added when the selenium driver wasn't working properly in the Haskell Stack environment.