**44-642 - App Design: Patterns and Frameworks**

**Java Regex**

1. Write a regular expression that validates a phone number in these formats:

|  |  |
| --- | --- |
| Phone Number Format | Regular Expression |
| (543)1234567 |  |
| 5431234567 |  |
| 543-123-4567 |  |
| (543)123-4567 |  |
| (543)1234567 or (543)123-4567 |  |

1. Write a regular expression to validate a SSN.

|  |  |
| --- | --- |
| Phone Number Format | Regular Expression |
| 123-45-6789 / 192837465 |  |

1. Write a regular expression to validate passwords. (Use your own criteria for the password to validate)
2. Write a regular expression to verify if it contains any of the following words.

* Bat
* Cat
* Rat

1. Write a regular expression that validates a person’s name in the following formats.

* FirstName LastName
* LastName, FirstName
* LastName,FirstName
* LastName FirstName