Concurrency Handler project

It provides GO concurrency implementation based on Buffered channels & Worker pools and

also uses external package to integrate with Rabbit MQ message broker.

The GO routine provides 2 implementations to create jobs:

* Read CSV file to create jobs
* Listening Rabbit MQ channel to create jobs based on incoming data

This implementation creates concurrent go routines to handle the task

* Allocation routine allocate jobs based on CSV or Message broker. It also creates GO “Jobs” channel which are processed by workers.
* Print routine reads GO “Results” channels to print results. This routine keeps listening the channel for any incoming data.
* Worker routine create concurrent workers to process jobs / tasks. After the task is done, workers write the output to the “Results” GO channel. Once the job processing has been done, this routine waits for more jobs created by Allocate routine.

Development Environment & Artifacts

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| Language | Go v1.9.4 |
| Additional Packages | streadway/amqp 0.9.1   * Used to integrate with Rabbit MQ message broker   go get github.com/streadway/amqp |
| GitHub Repository  Link | https://github.com/shaifalygupta/ConcurrencyProject |