# Azure Cloud Implementation Proposal

* Library system **HTTP posts** a user’s book borrowal request **to Azure function**.
* Azure function captures this HTTP post message and **publishes** this information in a **Azure Service Bus Topic.**
* **Another Azure functions** gets **triggered** by this Azure service Bus topic.
  + It gets this book borrowal information **and sends borrowal information as an email using azure Send Grid service, and sends a SMS message using Azure Twilio service**.
* **Another Azure function** also gets **triggered** by this Azure Service Bus topic.
  + It inserts a **new book borrowal record to Azure SQL DB.**
* Then there is another **Azure function** which **runs daily (time triggered)**
  + it **checks** for **overdue** book borrowal records
  + **sends a reminder email** the borrowers using **send grid service**
  + **sends a reminder SMS** to borrowers using azure **Twilio service**

A diagram of a process

AI-generated content may be incorrect.