**Blended Learning management system setup instruction**

1. **Requirement**

* Architecture : microservices
* IDE: Visual studio
* Runtime enviroment : Nodejs
* Framework: Bootstrap,Expressjs,
* Library: Nextjs, Socket.IO
* Packages: Ocelot, EFCore, Authentication jwt bearer, Bcrypt.Net-Next
* Database: Postgresql

1. **Frontend**

* Install required tools and then run **npm run dev** for **development** or **npm run build** + **npm run start** for **release**

1. **Backend**

* After installing efcore, run update-database command in each service for initial database creation
* Choose multiple startup project according to each service
* Services:
  + User service
  + Course service
  + Announcement service
  + Assessment service
  + Communication service