Deliverables : develop react based web-base question-answering system

Modules :

User management module

Question management module

Answer management sub module

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| Modules | Activities/Process | Preconditions/ Inter dependencies | Task @tier |
| User module | Sign-up: |  | - Database  - API  - Front-end |
| Login: | - User-database | - API  - Middleware (JWT)  - Front-end |
| Check\_User | - User-database | - API |
| Logout | - User-database  - Logged user | - API  - Middleware (JWT) |
| Questions module | Post Questions | * Logged user | - Database  - API  - Middleware (JWT)  - Front-end |
| Get questions | * Logged user * Created question | - API  - Middleware (JWT)  - Front-end |
| Get All questions | * Logged user * Created question | - API  - Middleware (JWT)  - Front-end |
| Answer module | Post Answer | * Logged user * Created question | -database  - API  - Middleware (JWT)  - Front-end |
| Get Answers for a Question | * Logged userCreated question |  |

Collaboration diagram

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| User |
| Sign-up() |
| Login() |
| Check\_user() |
| Log\_out() |

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| Question |
| Post question() |
| Get question() |
| Get all question() |

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| Answer |
| Post Answer() |
| Get Answers() |
|  |

Implementation strategy

1. Job division
2. Team formation
3. Effective communication channel
4. Effective use of development tools (Github, Trello….)
5. Discussion and support

Action plan

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| **Teams** | **module** | **tasks** | **Intra-team Communication** | **Time given** | **Inter-team meeting** | **Integration and deployment** |
| **Team 1** | User | signUp | Once a day(stand up meeting ) | 2 days | Every other day | 2 days |
| signIn | 1 days |
| signOut | 2 days |
| Check\_user | 1 days |
| **Team 2** | Question | Post question | Once a day (stand up meeting ) | 2 days |
| Get question | 2 days |
| Get all question | 2 days |
| **Team 3** | Answer | Post answer |  | 3 days |
| Get answer | 3 days |