MCI Project Weekly Time Sheet

Team	HA1	Student ID	Manhong Chen a1904387			Week starting:	28-Apr
Day	**Date**	**Time In**	**Time Out**	**Total hours**	**Task**	**How does it fit ito project plan?**	**Outcome/Next action**
Monday	4/28	5:00 PM	6:00 PM	1.0	Organize and summarize tasks and problems that need to be performed this week in preparation for group meetings	Let group members know what they will be working on this week	group meeting agenda
Tuesday	4/29	10:00 AM	5:00 PM	7.0	learn about how to implement the 3 selected models	prepare for model training	next action: data pretrain
		9:00 PM	10:00 PM	1.0	week 7 group meeting for task assignment and models training	have a communication of how to build the frontend and backend framework and task assignment	Completion of knowledge sharing within the project team
Wednesday	4/30	1:00 PM	4:00 PM	3.0	learn about how to implement two tower model	prepare for model training	next action: data pretrain
Thursday	5/1	10:00 AM	4:00 PM	6.0	1. learn about how to build the frontend and backend framework 2. project meeting with supervisor	1. Started front-end and back-end development of the project 2. communicate with our supervisor about our confusion and outcome	update the requirement of the models outcome
Friday	5/2	2:00 PM	6:00 PM	4.0	do a research for two tower model and write the pretrain codes	pretrain data for one selected model	next action: model training
Saturday	5/3	10:00 AM	2:00 PM	4.0	train the two tower model	model training	get an initial outcome for two tower model training
Sunday	5/4	3:00 PM	4:00 PM	1.0	finish weekly timesheet	write down what I had done for this week	week 7 timesheet
			Total	27.0			

MCI Project Weekly Time Sheet

Team HA1 Student ID Zihan Luo a1916700 Week starting: 28-Apr

Day	Date	Time In	Time Out	Total hours	Task	How does it fit ito project plan?	Outcome/Next action
Mond	4/28	11:00 AM	9:00 PM	10.0	1. Implemented both frontend and backend functionalities 2. Configured the MySQL database. 3. Configured swagger 4. API testing 5. Generate model test data for group members	1. Ensures system's core functionalities are ready for integration and user testing. 2. Provides a persistent data storage layer to support backend logic. 3. Enables clear API documentation and helps facilitate frontend-backend collaboration. 4. Validates the reliability and correctness of backend endpoints before frontend consumption. 5. Supports the development and validation of the AI model across different team roles.	1. Core application modules are functional 2. Persistent storage is ready 3. API documentation accessible for developers 4. Verified API reliability 5. Provided standardized test data for model validation
Tues	4/29	1:00 PM	6:00 PM	5.0	1. Configured git.ignore file separate 2. Branch code asynced 3. Joint testing of front-end and back-end interfaces	1. Prevents unnecessary files from being tracked, improving project cleanliness and collaboration. 2. Supports parallel development without conflict, enabling team members to work independently. 3. Ensures proper integration between client and server, reducing deployment issues.	1. Unnecessary files excluded from repository 2. Team can work on separate features without conflict 3. Verified successful integration
		10:00 PM	9:00 PM	1.0	Group meeting, sharing each one's weekly outcome	team communication, team work	Improved team transparency and alignment
Wedn	4/30	3:00 PM	8:00 PM	5.0	Literature research for Two-tower model implement	Builds theoretical foundation and guides design decisions for the recommendation model.	Collected insights on architecture and metrics
Thur	5/1	7:00 PM	11:00 PM	4.0	Install the test model	Validates initial model setup and provides baseline results for further refinement.	Model runs with sample input
Satu	5/3	12:00 PM	2:00 PM	2.0	1. complete timesheet 2. week 7 meeting minutes	Upports project tracking and documentation	Documentation and accountability maintained on github: week-7 minutes
			Total	27.0			

MCI Project Weekly Time Sheet

Team	HA1	Student ID	Ziyan Zhao a1883303			Week starting:	28-Apr
Day	**Date**	**Time In**	**Time Out**	**Total hours**	**Task**	**How does it fit ito project plan?**	**Outcome/Next action**
Monday	4/28	1:00 PM	4:00 PM	3.0	Explicitly use existing libraries (such as torch_geometric) to accelerate LightGCN model development; find information on the difference between scatter_mean and LGConv.	Determine the technical path	Explicitly adopt torch_geometric and LGConv modules
Tuesday	4/29	1:00 PM	5:00 PM	4.0	Successfully run the basic data reading and graph building logic, complete the training/test set partitioning and edge index conversion (edge_index format)	Prepare the data graph structure for LightGCN input	Completed edge_index construction and data format adaptation
Wednesday	4/30	1:00 PM	4:00 PM	4.0	Write the model structure code, use the official implementation of LGConv and build the LightGCN model class; complete the embedding initialization and forward propagation logic.	Build the model backbone framework to prepare for subsequent training	LightGCN is defined and can be used for training
Thursday	5/1	8:00 AM	4:00 PM	8.0	1. Implement training loop, including positive and negative sampling logic, BPR loss function and optimizer, and solve debugging problems such as inconsistent loss dimensions 2. Implement the test evaluation function (Hit@10) and build a complete training-evaluation process; run the experiment, find that the indicators are low and analyze the possible reasons 3. Hold a meeting to show the LightGCN achievements to the supervisor and confirm the next modification direction	The model converged successfully	The model is successfully trained, the loss converges correctly, and the Hit Ratio can be output
Friday	5/2	12:00 PM	4:00 PM	4.0	1. Review the fields and structure of the original data set: Make sure the true meaning and type of each column for users (demand side) and intermediaries (agents) are clear 2. Rewrite data preprocessing and	Forming effective graph data is a prerequisite for subsequent training	Rearrange the relationship between fields and rebuild the map
Saturday	5/3	1:00 PM	6:00 PM	5.0	Split train/test sets + convert to edge_index: use train_test_split and convert to PyTorch format	Construct training data structure to support subsequent model calls	Rewrite the code
Sunday	5/4						
			Total	28.0			

MCI Project Weekly Time Sheet

Team	HA1	Student ID	Jianghao Jin a1880849	Week starting:	28-Apr

Day	Date	Time In	Time Out	Total hours	Task	How does it fit ito project plan?	Outcome/Next action
Monday	4/28						
Tuesday	4/29	9:00 PM	10:00 PM	1.0	team meeting disscuss about 3 models training and the use of frontend and backend	Confirm the application of the important components in the recommendation system	Optimize the use of the model
Wednesday	4/30	10:00 AM	8:00 PM	10.0	Learn the knowledge related to the front and back ends and conduct research on the training of the model	To prepare for the subsequent addition of front-end and back-end functions, start learning first	Apply and test the last model
Thursday	5/1	2:00 PM	8:00 PM	6.0	Simulate two tower modle and collect the application knowledge	The application conditions of the model are determined based on the training results	Show the current progress content to the supervisor
Friday	5/2	3:00 PM	4:00 PM	1.0	Team meeting with supervisor and show the models and front, back ends.	Listen to the suggestions for improvement and identify the mistakes among them	Adjust the training steps of the model
Saturday	5/3	2:00 PM	7:00 PM	5.0	Consult the relevant materials on model training adjustment and change the training method	Adjust the operation mode to be compatible with the functions that the recommendation system intends to achieve	Continue to optimize the model
Sunday	5/4	2:00 PM	5:00 PM	3.0	Query the data to adjust the two tower model	So that the training of each model can correspond to the preset requirements of the system	Constantly optimize the use of the model
			Total	26.0			

MCI Project Weekly Time Sheet

Team HA1 **Student ID** Jianing Dang a1882117 **Week starting:** 28-Apr

Day	Date	Time In	Time Out	Total hours	Task	How does it fit ito project plan?	Outcome/Next action
Monday	4/28	11:00 AM	4:00 PM	5.0	Search for literature, organize methods to improve model performance, and modify model parameters to improve hit rate	Through literature research and parameter optimization, we meet the phased goal of improving model performance in our project plan.	We found 3 relevant papers and proposed 5 possible optimization methods. By adjusting the parameters, the model hit rate increased by 8%.
Tuesday	4/29	7:00 PM	12:00 PM	5.0	Save the model operation results, organize the model application process and problems, and participate in the internal meeting of the group to report	Recording model operation results and organizing application processes are important parts of project documentation, and internal meeting reports ensure team collaboration and project progress synchronization.	Completed the saving and organization of model results, created detailed application process documentation, and shared major issues and solutions in internal meetings.
Wednesday	4/30	11:00 AM	5:00 PM	6.0	Extract a small amount of data, compare it to the data requirements of the model training set, and find information on how to change the dataset structure	Data extraction and structural analysis are key steps to ensure the quality of model training data and meet the requirements of the data preparation stage in the project plan	We successfully extracted about 500 sample data and found that the existing data structure did not match the model requirements. The next step will be to adjust the structure of the complete data set.
Thursday	5/1	2:00 PM	7:00 PM	5.0	Prepare meeting materials, attend weekly meetings, organize supervisor's suggestions, and reorganize extracted data	Preparing meeting materials and attending weekly meetings are integral to the project management process, and collating mentor suggestions and reorganizing data directly supports iterative improvements of the project.	Successfully prepared and presented meeting materials and received specific advice from the instructor on data structure. Began to restructure the extracted data based on the advice.
Friday	5/2	11:00 AM	4:00 PM	5.0	Find literature and write a script to generate a triplet dataset based on the information	Literature research and script writing directly support the generation of triplet datasets, which is an important prerequisite for model training in recommender system project planning.	I found two core papers on triple dataset construction and successfully wrote the first version of the generation script.
Saturday	5/3						
Sunday	5/4						
			Total	26.0			