MCI Project Weekly Time Sheet

Team HA1 **Student ID** Manhong Chen a1904387 **Week starting:** 7-Apr

Day	Date	Time In	Time Out	Total hours	Task	How does it fit ito project plan?	Outcome/Next action
Monday	4/7	2:00 PM	4:00 PM	2.0	market research: research the popular recommendation system website design	refer to existing successful cases for the web design of this project	next action: design prototype website pages suitable for this project
Tuesday	4/8	12:00 PM	6:00 PM	6.0	1. discuss about some questions about the generated data and model implement 2. draw the prototype: user interface and pages	It's a preparatory step to reduce technical uncertainty and guide architectural decisions in the upcoming development	prototype for user interface
Wednesday	4/9	12:00 PM	6:00 PM	6.0	draw the prototype: adminstrator interface and pages	It's a preparatory step to reduce technical uncertainty and guide architectural decisions in the upcoming development	prototype for adminstrator interface
Thursday	4/10	3:00 PM	4:00 PM	1.0	project meeting	confirm the schedule and future task	solve the confusion about data training and project management
Thursday	4/10	9:00 PM	10:30 PM	1.5	discuss and check the dataset	confirm the dataset correct to reduce the training mistake	solve the incorrect generated data issues
Friday	4/11	2:00 PM	8:00 PM	6.0	learn to how to install 3 selected models and try to implement simply	start to focus on how to train the models	install 3 models succesfully and use simple datasets to train and test
Saturday	4/12	9:00 AM	1:00 PM	4.0	preprocess our generated datasets	analyse the datasets features and adjust the data to the model implement	initially complete the data analysis
Sunday	4/13						
			Total	26.5			

MCI Project Weekly Time Sheet

Team HA1 **Student ID** **Zihan Luo** a1916700 **Week starting:** 7-Apr

Day	Date	Time In	Time Out	Total hours	Task	How does it fit ito project	Outcome/Next action
Monday	4/7	8:00 PM	10:00 PM	2.0	1. Update wiki for our project 2. Update readme.md file, add branch management rules	Project management	1. Update week 6's outocome in github, like agenda, mimutes, report 2. Make project management more clearly
Tuesday	4/8	3:00 PM	10:00 PM	7.0	1. Look for suitable back-end technique for our project 2. Learn how to install back-end framework 3. Learn how to connect database 4. Learn how to connect database for whloe development lifecicle	Project technique architecture	1. Decided to adopt the front end separation model development. 2. Selected use Navicate to connect to the database visually. 3. Decided to use spring boot as the backend architecture.
Wednesday	4/9	2:00 PM	6:30 PM	4.5	1. Configure the Javajdk 2. Set up Spring Boot development environment 3. Initialized project folders and configuration files demo	Technique preparation	Create my first "hello world" project with Java
		9:00 PM	11:30 PM	2.5	Install mySQL, create data table	Technique preparation	Successfully runing SQL server, create my first data table demo
Thursday	4/10	4:00 PM	7:00 PM	3.0	1. Figure out how to get "years of agents workexperience" from "MARN" 2. Do "language" select from origin agents file, make it unique and clean	Data preparation	Dataset was successfully cleaned and documented for use in modeling.
		9:00 PM	11:00 PM	3.0	1. Regenerate dataset 2. Complete data describe document	Data preparation	Dataset and document all done, and send to supervisor in email after shared with my teammate
Friday	4/11	2:00 PM	7:00 PM	5.0	1. Explored feature selection methods for potential model input. 2. Organized cleaned data files and uploaded them to the shared team workspace in github. 3. Do timesheet.	Feature selection preparation	1. Feature selection progress 30% 2. Timesheeet completed
			Total	27.0			

MCI Project Weekly Time Sheet

Team HA1 **Student ID** Ziyan Zhao a1883303 **Week starting:** 7-Apr

Day	Date	Time In	Time Out	Total hours	Task	How does it fit ito project plan?	Outcome/Next action
Monday	4/7	12:00 PM	6:00 PM	6.0	1. Install the dependent libraries required by LightGCN 2. Solve the incompatibility issues between libraries	LightGCN is one of the three selected models, and the environment for successfully deploying LightGCN is the basis for advancing the project	Solved the problem of incompatibility of some dependent libraries
Tuesday	4/8	12:00 PM	6:00 PM	6.0	1. Solve the incompatibility issues between libraries 2. Change the sparse matrix conversion code (lil_matrix) in the original library to make it compatible with the current version (coo_matrix) 3. Use the Movielens 100K dataset to test whether LightGCN can run successfully	LightGCN is one of the three selected models, and the environment for successfully deploying LightGCN is the basis for advancing the project progress	The LightGCN environment has been successfully deployed
Wednesday	4/9	12:00 PM	5:00 PM	5.0	1. Install the dependent libraries required by Two-Tower model 2. Solve the incompatibility issues between libraries	Two-Tower model is one of the three selected models, and the environment for successfully deploying Two-Tower model is the basis for advancing the project progress	Solved the problem of incompatibility of some dependent libraries
Thursday	4/10	12:00 PM	5:00 PM	5.0	1. Solve the incompatibility issues between libraries 2. Use the Movielens 100K dataset to test whether Two-Tower model can run successfully	Two-Tower model is one of the three selected models, and the environment for successfully deploying Two-Tower model is the basis for advancing the project progress	The Two-tower model environment has been successfully deployed
Friday	4/11						
Saturday	4/12	6:00 PM	8:00 PM	2.0	Organize this week's meeting records and write meeting minutes	Record what happened during the meeting	Week6 minutes
Sunday	4/13	6:00 PM	8:00 PM	2.0	Study the newly generated data set and how to put it into the model for training	Prepare to put the generated dataset into the model.	Prepare to put the generated dataset into the model for training
			Total	26.0			

MCI Project Weekly Time Sheet

Team HA1 **Student ID** Jianghao Jin a1880849 **Week starting:** 7-Apr

Day	Date	Time In	Time Out	Total hours	Task	How does it fit ito project plan?	Outcome/Next action
Monday	4/7	4:00 PM	9:00 PM	5.0	Search the content of the recommendation system	This document provides reference for subsequent system planning	Start learning model operations
Tuesday	4/8	3:00 PM	5:00 PM	2.0	Learn the install methods for three models	When finished, can start the train	Continue learning
Wednesday	4/9	1:00 PM	3:00 PM	2.0	Edit the week 6 agenda	Keep notes of the week and last week's meetings	Conference summary
Thursday	4/10	3:00 PM	4:00 PM	1.0	Group project meeting	Confirm data and plans	Solve data content issues
Thursday	4/10	9:00 PM	10:00 PM	1.0	discuss the dataset	Identify errors in the data set	Complete the correct data set
Friday	4/11	1:00 PM	10:00 PM	9.0	Continue to learn the install method for model	ready to start training data and test data	use model to train and test
Saturday	4/12	4:00 PM	9:00 PM	5.0	Learn how to build a front-end interface	Prepare the front-end interface for the project	Build the front-end interface according to the prototype drawing
Sunday	4/13						
			Total	25.0			

MCI Project Weekly Time Sheet

Team HA1 **Student ID** a1882117 **Week starting:** 7-Apr

Day	Date	Time In	Time Out	Total hours	Task	How does it fit ito project plan?	Outcome/Next action
Monday	4/7	11:00 AM	4:00 PM	5.0	Adjust the parameters of the NCF model, correct the bugs generated, and improve the model performance.	By adjusting the NCF model parameters, we followed our iterative plan for model optimization, which is a key step in achieving an efficient recommendation system.	Successfully adjusted key parameters and fixed major bugs.
Tuesday	4/8	11:00 AM	4:00 PM	5.0	Try different implementations of DNN models, including direct references to APIs and codes, and try to find the most performant and convenient operation method.	Trying different DNN model implementations is in line with our plan to compare multiple algorithms to ensure that the best recommended approach is selected.	After testing three different implementation methods, we found that direct API calls are the most efficient.
Wednesday	4/9	11:00 AM	4:00 PM	5.0	Adjust the parameters of the DNN model, correct the bugs that occur, and try to improve the model performance	Optimizing DNN model parameters is a critical task in the project timeline and directly affects the performance of the final recommendation system.	The model accuracy was successfully increased by about 5%. The next step will be to fix the bugs in the running process.
Thursday	4/10	3:00 PM	8:00 PM	5.0	Meet with supervisor and get suggestions for dataset modification. Discuss details of dataset modification with team members. Continue to fix bugs in DNN operating testing process.	Meeting with supervisor to get feedback is an important event in project planning to ensure that we are on the right track with our dataset modifications.	Received specific suggestions from supervisor on dataset processing. Major bugs in DNN testing have been resolved.
Friday	4/11	11:00 AM	4:00 PM	5.0	Read the paper to learn how to implement two towers in DNN. Watch the video to learn how to use and install two towers.	Learning the two-tower DNN is an innovation in the project plan, which will help improve the personalized recommendation capabilities of the recommendation system.	Successfully understood the core principles and implementation methods of the two tower model.
Saturday	4/12						
Sunday	4/13						
			Total	25.0			