testcases.pdf

This document demonstrates the 8 test cases in our report

Ctrl+f to find the test case
Example: ctrl+f Test Case 1

RED COLOR IS THE TEST CASES
PURPLE COLOR IS COMMENT FOR THE TEST CASES
PURPLE HIGHLIGHTED - INPUT ERROR CHECKING

Test Case 1 - User Login with wrong User ID

```
Welcome to the FYPMS
====================
|1. Login |
|2. Reset System |
|3. Quit |
====================
Enter your choice:
1
Enter USERID:
BOB
Enter PASSWORD:
password
You have entered the wrong USERID!
Please try again!
```

Test Case 2 - User Login with wrong password but correct user ID

```
Enter USERID:
YCHERN
Enter PASSWORD:
asd
You have entered the wrong PASSWORD!
Please try again!
```

Test Case 3 - User Login and request change of password and logout

```
Enter USERID:
YCHERN
Enter PASSWORD:
password
Login successfully!
======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
======================================
Enter your choice:
1
Enter new password:
newpassword
Password changed

======================================
|1. Change Password |
```

```
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=======================================
Enter your choice:
5
Logging out...
```

Login – Student YCHERN

```
Welcome to the FYPMS
====================
|1. Login |
|2. Reset System |
|3. Quit |
====================
Enter your choice:
1
Enter USERID:
YCHERN
Enter PASSWORD:
newpassword
Login successfully!
```

Select 2 to view available projects

```
=======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=======================================
Enter your choice:
2
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier
Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT
Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 5
```

Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Deep Reinforcement Learning for Complex Environment
Project Status: AVAILABLE
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: AVAILABLE
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine
Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and
visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly

Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
=====================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=====================================
Enter your choice:
3
You have no request history
=====================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=====================================
Enter your choice:
4
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier
Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT
Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Deep Reinforcement Learning for Complex Environment
Project Status: AVAILABLE
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: AVAILABLE
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG

Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine
Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and
visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
Register for project 5

Enter the project ID to register for:
5
The request have been send out.
Register for project 4. System unable to register for the project as student has
already request for project registration.
=======================================
|1. Change Password |

```
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
======================================
Enter your choice:
4
You have already registered for a project, please wait for approval!
======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
======================================
```
Select 3 to view request history and status
```
Enter your choice:
3
Request ID: 1
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: PENDING
======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
======================================
```
Select 2 to view available project. Note: Project 5 is not in the list as project has been registered.
```
Enter your choice:
2
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier
Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT
Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
```

Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: AVAILABLE
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine
Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and
visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE

==
|1. Change Password |
|2. View Available Projects |

```
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
======================================
```
```
Enter your choice:
6
```
Login - Coordinator ASFLI
```
Welcome to the FYPMS
===================
|1. Login |
|2. Reset System |
|3. Quit |
===================
Enter your choice:
1
Enter USERID:
ASFLI
Enter PASSWORD:
password
Login successfully!
======================================
|1. Change Password |
|2. Projects |
|3. Request (New) |
|4. Logout |
======================================
```
```
Enter your choice:
3
======================================
|1. Pending Request |
|2. Request History and Status |
|3. Return |
======================================
Enter your choice:
1
Request ID: 2
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: PENDING
Request to register for project ID 5
Enter the request ID to process:
2
=====================
|1. Approve |
|2. Reject |
=====================
```
```
2
The request have been rejected!
Returning back to the request menu...
======================================
|1. Request History and Status |
|2. Return |
======================================
Enter your choice:
```

2
Returning...
=======================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
=======================================
Enter your choice:
4
Logging out...

Test Case 5 – 2 students (YCHERN and KOH) register for the same supervisor project
(BOAN)+ Coordinator (ASFLI) approve requests

Login Student 1 (YCHERN)
Welcome to the FYPMS
===================
|1. Login |
|2. Reset System |
|3. Quit |
===================
Enter your choice:
1
Enter USERID:
YCHERN
Enter PASSWORD:
newpassword
Login successfully!
=======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
Select 3 to view request history and status. Note: From test case 4 YCHERN request
rejected is reflected
=======================================
Enter your choice:
3
Request ID: 1
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: REJECTED

|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
Select 4 to register for FYP
=======================================
Enter your choice:
4
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG

Project Title: Machine Learning-based Interference Mitigation in a Multi-tier Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Deep Reinforcement Learning for Complex Environment
Project Status: AVAILABLE
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: AVAILABLE
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International Competition
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao

Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
Register for project 5
Enter the project ID to register for:
5
The request have been send out.
=======================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
=======================================
Logout Student 1 (YCHERN)
Enter your choice:
4
Logging out...

Login Student 2 (KOH1)
Welcome to the FYPMS
===================
|1. Login |
|2. Reset System |
|3. Quit |
===================
Enter your choice:
1
Enter USERID:
KOH1
Enter PASSWORD:
password
Login successfully!
=======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=======================================

Enter your choice:
2
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: AVAILABLE
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International Competition
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and visualization
Project Status: AVAILABLE
Project ID: 12

```
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
========================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
```
```
========================================
Enter your choice:
4
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier
Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT
Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
```

Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: AVAILABLE
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine
Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and
visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
Enter project 5 for registration – Error as 5 is not in the list
Enter the project ID to register for:
5
You have entered a invalid project ID!

```
Returning back to main menu...
=======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
Select 4 to register for FYP again
=======================================
Enter your choice:
4
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier
Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT
Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: AVAILABLE
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine
Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
```

Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and
visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
Enter project 6 for registration – Request send out successfully
Enter the project ID to register for:
6
The request have been send out.
=======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=======================================
Select 2 to view available project. Note: Project 5, 6 and 7 are not in the list.
Reason: Project 5,6,7 are by professor BOAN. Each supervisor can only supervise 2
students. Project 5 and 6 are reserved. Project 7 is unavailable. Hence 5,6 and 7
are not in the list.
Enter your choice:
2
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier
Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG

Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation

```
Project Status: AVAILABLE
=======================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=======================================
Enter your choice:
5
Logging out...
Welcome to the FYPMS
===================
|1. Login |
|2. Reset System |
|3. Quit |
===================

Login Coordinator (ASFLI)
Enter your choice:
1
Enter USERID:
ASFLI
Enter PASSWORD:
password
Login successfully!
=======================================
|1. Change Password |
|2. Projects |
|3. Request (New) |
|4. Logout |
Select 2 for project menu
=======================================
Enter your choice:
2
=======================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
Select 5 to view system projects
=======================================
Enter your choice:
5
=======================================
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
Select 1 to view all projects
=======================================
Enter your choice:
1
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
```

Project Title: Machine Learning-based Interference Mitigation in a Multi-tier Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Deep Reinforcement Learning for Complex Environment
Project Status: RESERVED
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: RESERVED
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International Competition
Project Status: UNAVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao

Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
==
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
Select 2 to view projects by status

==
Enter your choice:
2
==================
|1. Available |
|2. Reserved |
|3. Allocated |
|4. Unavailable |
|5. Return |
View available projects
==================
Enter the status:
1
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier
Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT
Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1

```
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine
Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and
visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
===================
|1. Available |
|2. Reserved |
|3. Allocated |
|4. Unavailable |
|5. Return |
```

```
==================
View reserved projects
Enter the status:
2
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Deep Reinforcement Learning for Complex Environment
Project Status: RESERVED
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: RESERVED
==================
|1. Available |
|2. Reserved |
|3. Allocated |
|4. Unavailable |
|5. Return |
View allocated projects

==================
Enter the status:
3
There is no projects with this status
==================
|1. Available |
|2. Reserved |
|3. Allocated |
|4. Unavailable |
|5. Return |
==================
View unavailable projects
Enter the status:
4
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: UNAVAILABLE
==================
|1. Available |
|2. Reserved |
|3. Allocated |
|4. Unavailable |
|5. Return |
Return
==================
Enter the status:
5
Returning...
======================================
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
View project by supervisor (BOAN)
```

```
========================================
Enter your choice:
3
Enter the userID of the supervisor you want to check:
BOAN
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Deep Reinforcement Learning for Complex Environment
Project Status: RESERVED
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: RESERVED
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: UNAVAILABLE
========================================
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
Invalid Input - select 8
========================================
Enter your choice:
8
Please choose a valid option
========================================
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
========================================
Enter your choice:
4
Returning...
========================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
========================================
Enter your choice:
6
Returning...
========================================
|1. Change Password |
|2. Projects |
|3. Request (New) |
|4. Logout |
Select 3 to view request
========================================
Enter your choice:
```

```
3
========================================
|1. Pending Request |
|2. Request History and Status |
|3. Return |
========================================
Enter your choice:
1
Request ID: 2
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: PENDING
Request to register for project ID 5
Request ID: 3
Requester Name: KOH
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: PENDING
Request to register for project ID 6
Request a wrong request ID
Enter the request ID to process:
6
You have entered a invalid request ID!
Returning back to main menu...
========================================
|1. Pending Request |
|2. Request History and Status |
|3. Return |
========================================
Enter your choice:
1
Request ID: 2
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: PENDING
Request to register for project ID 5
Request ID: 3
Requester Name: KOH
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: PENDING
Request to register for project ID 6
Approve CHERN FYP
Enter the request ID to process:
2
=====================
|1. Approve |
|2. Reject |
=====================
1
The request have been accepted!
Returning back to the request menu...
========================================
|1. Pending Request |
|2. Request History and Status |
|3. Return |
========================================
```

```
Enter your choice:
1
Request ID: 3
Requester Name: KOH
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: PENDING
Request to register for project ID 6
Enter the request ID to process:
Approve KOH FYP
3
=====================
|1. Approve |
|2. Reject |
=====================
1
The request have been accepted!
Returning back to the request menu...
======================================
|1. Request History and Status |
|2. Return |
======================================
View Request History and Status
======================================
Enter your choice:
1
Request ID: 1
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: REJECTED
Request to register for project ID 5
Request ID: 2
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: APPROVED
Request to register for project ID 5
Request ID: 3
Requester Name: KOH
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: APPROVED
Request to register for project ID 6
======================================
|1. Request History and Status |
|2. Return |
======================================
Enter your choice:
2
Returning...
======================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
View Request
======================================
Enter your choice:
3
```

```
========================================
|1. Request History and Status |
|2. Return |
========================================
```

View by projects
```
Enter your choice:
2
Returning...
========================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
========================================
Enter your choice:
2
========================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
========================================
Enter your choice:
5
========================================
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
```
View by BOAN projects. Note: project 5 and 6 updated to 'ALLOCATED' status
```
========================================
Enter your choice:
3
Enter the userID of the supervisor you want to check:
BOAN
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Student: CHERN
Project Student Email: YCHERN@e.ntu.edu.sg
Project Title: Deep Reinforcement Learning for Complex Environment
Project Status: ALLOCATED
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Student: KOH
Project Student Email: KOH1@e.ntu.edu.sg
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: ALLOCATED
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: UNAVAILABLE
========================================
```

```
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
```
View by YCHERN projects. Invalid input as YCHERN is not a supervisor.
```
=======================================
Enter your choice:
3
Enter the userID of the supervisor you want to check:
YCHERN
You have entered an invalid userID!
Returning back to system project menu.
=======================================
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
=======================================
Enter your choice:
4
Returning...
=======================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
=======================================
Enter your choice:
6
Returning...
=======================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
```
Logout from ASFLI account
```
=======================================
Enter your choice:
4
Logging out …
```

Test Case 6 – Change project title by YCHERN (student) and supervisor (BOAN) approves

Login YCHERN account
Welcome to the FYPMS
```
===================
|1. Login |
|2. Reset System |
|3. Quit |
===================
Enter your choice:
1
Enter USERID:
YCHERN
Enter PASSWORD:
password
```

```
You have entered the wrong PASSWORD!
Please try again!
Enter USERID:
YCHERN
Enter PASSWORD:
newpassword
Login successfully!
======================================
|1. Change Password |
|2. View Registered Project |
|3. View Request History and Status |
|4. Request to Change Project Title |
|5. Request to Deregister FYP |
|6. Logout |
======================================
Enter your choice:
2
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Student: CHERN
Project Student Email: YCHERN@e.ntu.edu.sg
Project Title: Deep Reinforcement Learning for Complex Environment
Project Status: ALLOCATED
======================================
|1. Change Password |
|2. View Registered Project |
|3. View Request History and Status |
|4. Request to Change Project Title |
|5. Request to Deregister FYP |
|6. Logout |
Select 3 to view request history
======================================
Enter your choice:
3
Request ID: 1
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: REJECTED
Request to register for project ID 5
Request ID: 2
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: APPROVED
Request to register for project ID 5
======================================
|1. Change Password |
|2. View Registered Project |
|3. View Request History and Status |
|4. Request to Change Project Title |
|5. Request to Deregister FYP |
|6. Logout |
Select 4 to change project title
======================================
Enter your choice:
4
Enter the new project title:
```

OOP
The request have been send out.
==
|1. Change Password |
|2. View Registered Project |
|3. View Request History and Status |
|4. Request to Change Project Title |
|5. Request to Deregister FYP |
|6. Logout |
Try to change project title again - unable to change
==
Enter your choice:
4
You have already requested to change project title, please wait for approval!
==
|1. Change Password |
|2. View Registered Project |
|3. View Request History and Status |
|4. Request to Change Project Title |
|5. Request to Deregister FYP |
|6. Logout |
View request history and status. Notice: request ID 4 is pending
==
Enter your choice:
3
Request ID: 1
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: REJECTED
Request to register for project ID 5
Request ID: 2
Requester Name: CHERN
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: APPROVED
Request to register for project ID 5
Request ID: 4
Requester Name: CHERN
Responder Name: Bo An
Request Type: CHANGE_TITLE
Request Status: PENDING
Request to change project title of project ID 5 to "OOP "
==
|1. Change Password |
|2. View Registered Project |
|3. View Request History and Status |
|4. Request to Change Project Title |
|5. Request to Deregister FYP |
|6. Logout |
Logout YCHERN account
==
Enter your choice:
6
Logging out...

Login Supervisor (BOAN) Account
Welcome to the FYPMS
====================

```
|1. Login |
|2. Reset System |
|3. Quit |
===================
Enter your choice:
1
Enter USERID:
BOAN
Enter PASSWORD:
password
Login successfully!
=====================================
|1. Change Password |
|2. My Projects |
|3. Request (New) |
|4. Request to Transfer Student |
|5. Logout |
View Request (New) and approve request
=====================================
Enter your choice:
3
=====================================
|1. Pending Request |
|2. Request History and Status |
|3. Return |
=====================================
Enter your choice:
1
Request ID: 4
Requester Name: CHERN
Responder Name: Bo An
Request Type: CHANGE_TITLE
Request Status: PENDING
Request to change project title of project ID 5 to "OOP "
Enter the request ID to process:
4
=====================
|1. Approve |
|2. Reject |
=====================
1
The request have been accepted!
Returning back to the request menu...
=====================================
|1. Request History and Status |
|2. Return |
=====================================
Enter your choice:
2
Returning...
=====================================
|1. Change Password |
|2. My Projects |
|3. Request |
|4. Request to Transfer Student |
|5. Logout |
=====================================
Enter your choice:
2
```

```
========================================
|1. Create Projects |
|2. Update Projects |
|3. View Projects |
|4. Return |
```
```
========================================
Enter your choice:
3
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Student: CHERN
Project Student Email: YCHERN@e.ntu.edu.sg
Project Title: OOP
Project Status: ALLOCATED
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Student: KOH
Project Student Email: KOH1@e.ntu.edu.sg
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: ALLOCATED
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International
Competition
Project Status: UNAVAILABLE
========================================
|1. Create Projects |
|2. Update Projects |
|3. View Projects |
|4. Return |
========================================
Enter your choice:
4
Returning...
========================================
|1. Change Password |
|2. My Projects |
|3. Request |
|4. Request to Transfer Student |
|5. Logout |
```
```
========================================
Enter your choice:
5
Logging out..
```

Test Case 7 - Transfer student (BR015) from YPKE to ASFLI to YPKE

Login to Student (BR015), register a project
```
Welcome to the FYPMS
====================
|1. Login |
|2. Reset System |
|3. Quit |
====================
```

```
Enter your choice:
1
Enter USERID:
BR015
Enter PASSWORD:
password
Login successfully!
=====================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=====================================
Enter your choice:
4
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Machine Learning-based Interference Mitigation in a Multi-tier
Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT
Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine
Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Developing a demonstration system for spatial data exploration and
visualization
```

Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: AVAILABLE
Register for project 16
Enter the project ID to register for:
16
The request have been send out.
=====================================
|1. Change Password |
|2. View Available Projects |
|3. View Request History and Status |
|4. Request to Register FYP |
|5. Logout |
=====================================
Enter your choice:
5
Logging out...

Login to Supervisor (YPKE)
Welcome to the FYPMS
====================
|1. Login |
|2. Reset System |
|3. Quit |
====================
Enter your choice:
1
Enter USERID:
YPKE
Enter PASSWORD:
password
Login successfully!
=====================================
|1. Change Password |
|2. My Projects |
|3. Request |

|4. Request to Transfer Student |
|5. Logout |
=======================================
Enter your choice:
4
You have no projects that is allocated currently
=======================================
|1. Change Password |
|2. My Projects |
|3. Request |
|4. Request to Transfer Student |
|5. Logout |
=======================================
Enter your choice:
5
Login to Coordinator (ASFLI)
Logging out...
Welcome to the FYPMS
===================
|1. Login |
|2. Reset System |
|3. Quit |
===================
Enter your choice:
1
Enter USERID:
ASFLI
Enter PASSWORD:
password
Login successfully!
=======================================
|1. Change Password |
|2. Projects |
|3. Request (New) |
|4. Logout |
=======================================
Approve pending request to register FYP
Enter your choice:
3
=======================================
|1. Pending Request |
|2. Request History and Status |
|3. Return |
=======================================
Enter your choice:
1
Request ID: 5
Requester Name: BRANDON
Responder Name: Li Fang
Request Type: REGISTER_FYP
Request Status: PENDING
Request to register for project ID 16
Enter the request ID to process:
5

=====================
|1. Approve |
|2. Reject |
=====================

1
The request have been accepted!
Returning back to the request menu...
=======================================
|1. Request History and Status |
|2. Return |
=======================================
Enter your choice:
2
Returning...
=======================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
=======================================
Enter your choice:
4

Login to Supervisor (YPKE)

Logging out...
Welcome to the FYPMS
===================
|1. Login |
|2. Reset System |
|3. Quit |
===================
Enter your choice:
1
Enter USERID:
YPKE
Enter PASSWORD:
password
Login successfully!
=======================================
|1. Change Password |
|2. My Projects |
|3. Request |
|4. Request to Transfer Student |
|5. Logout |
Request to transfer student
=======================================
Enter your choice:
4
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Student: BRANDON
Project Student Email: BR015@e.ntu.edu.sg
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: ALLOCATED
Transfer project 16
Enter the projectID that you want to transfer:
16
Enter the new supervisor USERID
Try with invalid user ID
YCHERN
You have entered a invalid USERID

Please try again!
Try with ASFLI
Enter the new supervisor USERID
ASFLI
The request have been send out.
=======================================
|1. Change Password |
|2. My Projects |
|3. Request |
|4. Request to Transfer Student |
|5. Logout |
=======================================
Enter your choice:
3
=======================================
|1. Request History and Status |
|2. Return |
=======================================
Enter your choice:
1
Request ID: 6
Requester Name: Ke Yiping Kelly
Responder Name: Li Fang
Request Type: TRANSFER_STUDENT
Request Status: PENDING
Request to transfer project ID 16 to ASFLI
=======================================
|1. Request History and Status |
|2. Return |
=======================================
Enter your choice:
2
Returning...
=======================================
|1. Change Password |
|2. My Projects |
|3. Request |
|4. Request to Transfer Student |
|5. Logout |
Try to transfer again but unable to transfer as request already sent
=======================================
Enter your choice:
4
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Student: BRANDON
Project Student Email: BR015@e.ntu.edu.sg
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: ALLOCATED
Enter the projectID that you want to transfer:
16
Project ID 16 is already waiting for approval for transfer!
=======================================
|1. Change Password |
|2. My Projects |
|3. Request |
|4. Request to Transfer Student |
|5. Logout |

```
========================================
Enter your choice:
5
Logging out...
ASFLI will approve transfer
========================================
|1. Change Password |
|2. Projects |
|3. Request (New) |
|4. Logout |
========================================
Enter your choice:
3
========================================
|1. Pending Request |
|2. Request History and Status |
|3. Return |
========================================
Enter your choice:
1
Request ID: 6
Requester Name: Ke Yiping Kelly
Responder Name: Li Fang
Request Type: TRANSFER_STUDENT
Request Status: PENDING
Request to transfer project ID 16 to ASFLI
Enter the request ID to process:
6
=====================
|1. Approve |
|2. Reject |
Transfer approved
=====================
1
The request have been accepted!
Returning back to the request menu...
========================================
|1. Request History and Status |
|2. Return |
========================================
Enter your choice:
2
Returning...
========================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
========================================
Enter your choice:
2
========================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
========================================
```

```
Enter your choice:
3
Project ID: 16
Project Supervisor: Li Fang
Project Supervisor Email: ASFLI@NTU.EDU.SG
Project Student: BRANDON
Project Student Email: BR015@e.ntu.edu.sg
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: ALLOCATED
=======================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
=======================================
Enter your choice:
4
Project ID: 16
Project Supervisor: Li Fang
Project Supervisor Email: ASFLI@NTU.EDU.SG
Project Student: BRANDON
Project Student Email: BR015@e.ntu.edu.sg
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: ALLOCATED
Enter the projectID that you want to transfer:
16
ASFLI transfer student back to BOAN
Unable to transfer to BOAN as he has 2 project
Enter the new supervisor USERID
BOAN
BOAN cannot take on more projects!
Please try again!
ASFLI transfer student back to YPKE
Enter the new supervisor USERID
YPKE
The request have been send out.
=======================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
=======================================
Enter your choice:
6
Returning...
=======================================
|1. Change Password |
|2. Projects |
|3. Request (New) |
|4. Logout |
=======================================
Enter your choice:
3
=======================================
|1. Pending Request |
```

```
|2. Request History and Status |
|3. Return |
ASFLI approves request
======================================
Enter your choice:
1
Request ID: 7
Requester Name: Li Fang
Responder Name: Li Fang
Request Type: TRANSFER_STUDENT
Request Status: PENDING
Request to transfer project ID 16 to YPKE
Enter the request ID to process:
Wrong ID
7
=====================
|1. Approve |
|2. Reject |
=====================
1
The request have been accepted!
Returning back to the request menu...
======================================
|1. Request History and Status |
|2. Return |
======================================
Enter your choice:
2
Returning...
======================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
======================================
Enter your choice:
2
======================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
======================================
Enter your choice:
5
======================================
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
======================================
Enter your choice:
1
Project ID: 1
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
```

Project Title: Machine Learning-based Interference Mitigation in a Multi-tier Networks
Project Status: AVAILABLE
Project ID: 2
Project Supervisor: A S Madhukumar
Project Supervisor Email: ASMADHUKUMAR@NTU.EDU.SG
Project Title: Deep Learning-Driven Edge Caching for 5G-and-Beyond Industrial IoT Networks
Project Status: AVAILABLE
Project ID: 3
Project Supervisor: Alexei Sourin
Project Supervisor Email: ASSOURIN@ntu.edu.sg
Project Title: Sonification of geometry 1
Project Status: AVAILABLE
Project ID: 4
Project Supervisor: Arvind Easwaran
Project Supervisor Email: ARVINDE@NTU.EDU.SG
Project Title: Edge/Cloud Resource Management for Time-Sensitive Applications (2)
Project Status: AVAILABLE
Project ID: 5
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Student: CHERN
Project Student Email: YCHERN@e.ntu.edu.sg
Project Title: OOP
Project Status: ALLOCATED
Project ID: 6
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Student: KOH
Project Student Email: KOH1@e.ntu.edu.sg
Project Title: Build Software Agents for Power Trading Agent Competition
Project Status: ALLOCATED
Project ID: 7
Project Supervisor: Bo An
Project Supervisor Email: BOAN@NTU.EDU.SG
Project Title: Designing Negotiation Agents to Parcitipate in International Competition
Project Status: UNAVAILABLE
Project ID: 8
Project Supervisor: Cai Wentong
Project Supervisor Email: ASWTCAI@ntu.edu.sg
Project Title: Creation of Meta-model for Agent-based Simulation Using Machine Learning Approach
Project Status: AVAILABLE
Project ID: 9
Project Supervisor: Chen Change Loy
Project Supervisor Email: CCLOY@NTU.EDU.SG
Project Title: Encoding Images to Text Prompts with CLIP
Project Status: AVAILABLE
Project ID: 10
Project Supervisor: Chia Liang Tien
Project Supervisor Email: ASLTCHIA@ntu.edu.sg
Project Title: Smart Monitor for Studio Photographer
Project Status: AVAILABLE
Project ID: 11
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG

Project Title: Developing a demonstration system for spatial data exploration and
visualization
Project Status: AVAILABLE
Project ID: 12
Project Supervisor: Cong Gao
Project Supervisor Email: GAOCONG@NTU.EDU.SG
Project Title: Deep Learning Supported Location-aware Keyword Query
Project Status: AVAILABLE
Project ID: 13
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: An AI based Li-ion fast battery charger for power tools
Project Status: AVAILABLE
Project ID: 14
Project Supervisor: Douglas Leslie Maskell
Project Supervisor Email: ASDOUGLAS@NTU.EDU.SG
Project Title: A Li-ion fast battery charger
Project Status: AVAILABLE
Project ID: 15
Project Supervisor: Dusit Niyato
Project Supervisor Email: DNIYATO@NTU.EDU.SG
Project Title: Metaverse for virtual education 1
Project Status: AVAILABLE
Project ID: 16
Project Supervisor: Ke Yiping Kelly
Project Supervisor Email: YPKE@NTU.EDU.SG
Project Student: BRANDON
Project Student Email: BR015@e.ntu.edu.sg
Project Title: Graph-based Deep Models for Image Semantic Segmentation
Project Status: ALLOCATED
=======================================
|1. View all Projects |
|2. View Projects (Status) |
|3. View Projects (Supervisors) |
|4. Return |
=======================================
Enter your choice:
4
Returning...
=======================================
|1. Create Projects |
|2. Update Projects |
|3. View My Projects |
|4. Request to Transfer Student |
|5. View System Projects |
|6. Return |
=======================================
Enter your choice:
6
Returning...
=======================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
=======================================
Enter your choice:
4
Logging out...

Login to Student YCHERN
Welcome to the FYPMS
====================
|1. Login |
|2. Reset System |
|3. Quit |
====================
Enter your choice:
1
Enter USERID:
YCHERN
Enter PASSWORD:
newpassword
Login successfully!
==
|1. Change Password |
|2. View Registered Project |
|3. View Request History and Status |
|4. Request to Change Project Title |
|5. Request to Deregister FYP |
|6. Logout |
Request for deregister FYP
==
Enter your choice:
5
The request have been send out.
==
|1. Change Password |
|2. View Registered Project |
|3. View Request History and Status |
|4. Request to Change Project Title |
|5. Request to Deregister FYP |
|6. Logout |
==
Enter your choice:
6
Logging out...

Login to Supervisor ASFLI
Welcome to the FYPMS
====================
|1. Login |
|2. Reset System |
|3. Quit |
====================
Enter your choice:
1
Enter USERID:
ASFLI
Enter PASSWORD:
password
Login successfully!
==
|1. Change Password |
|2. Projects |
|3. Request (New) |
|4. Logout |

```
========================================
Enter your choice:
3
========================================
|1. Pending Request |
|2. Request History and Status |
|3. Return |
Approve request to deregister
========================================
Enter your choice:
1
Request ID: 8
Requester Name: CHERN
Responder Name: Li Fang
Request Type: DEREGISTER_FYP
Request Status: PENDING
Requet to deregister from project ID 5
Enter the request ID to process:
8
=====================
|1. Approve |
|2. Reject |
=====================
1
The request have been accepted!
Returning back to the request menu...
========================================
|1. Request History and Status |
|2. Return |
========================================
Enter your choice:
4
Please choose a valid option
========================================
|1. Request History and Status |
|2. Return |
========================================
Enter your choice:
2
Returning...
========================================
|1. Change Password |
|2. Projects |
|3. Request |
|4. Logout |
========================================
Enter your choice:
4
Logging out...
Welcome to the FYPMS
Student has been deregistered
====================
|1. Login |
|2. Reset System |
|3. Quit |
====================
Enter your choice:
1
Enter USERID:
```

YCHERN
Enter PASSWORD:
newpassword
You have been deregistered from FYP and can no longer login!