



Advanced ATM System

Deliverable 1 – Team Formation

**COEN 6312: Model Driven Software Engineering
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Presented to Dr. Wahab Hamou-Lhadj

Team: Zenith Squad

Name	Student ID
Amankirat Singh	40058132
Amanpreet Kaur Bhatia (Leader)	40047980
Garvpreet Singh	40045076
Munish Sehdev	40083946
Prabhleen Singh Viridi	40022973

Team members

Name	Email	Background
Amankirat Singh	amankiratsingh@gmail.com	Completed bachelor's degree in Information Technology from India. Now, pursuing M.Eng in Software Engineering at Concordia University.
Amanpreet Kaur Bhatia	amanpreet.913@gmail.com	After completion of bachelor's degree in Information Technology from India, acquired around 5 years of work experience as a software developer in java/J2EE based web application development. Currently, pursuing M.Eng (Software Engineering) at Concordia University.
Garvpreet Singh	garvs1401@gmail.com	Possess a couple of years of experience as a front-end developer in HCL Technologies, India. Currently, a graduate student in Software Engineering, Concordia University.
Munish Sehdev	munishsehdev@gmail.com	Holds a bachelor's degree in Information Technology from Panjab University, India and is currently pursuing a graduate degree in Software Engineering at Concordia University. Has around 4 years of professional experience working with iOS application development.
Prabhleen Singh Viridi	prabhleen127@gmail.com	Completed bachelor's degree in Information Technology from India. Now, pursuing M.Eng in Software Engineering at Concordia University.

Mission and Vision

The vision of the team **Zenith Squad** is to provide best possible one-stop solution for banking services related to ATM transactions and its services.

The mission of the team is to critically deal with the real-time problems faced by ATM users.

- Lack of availability of ATM of individual bank.
- Growing number of forgery and fraudulent transactions as a consequence of lack of security measures.
- Replacing multiple ATM machines of individual bank by single ATM machines can save hardware cost. (*example: Placing one machine in place of 10 can reduce installation cost majorly*)

Overview of the system

The ATM system is used for cash dispense and other bank services without visiting the bank. This system would accept a bank's credit/debit card. After the system reads the card, it detects the associated bank and then would redirect to the interface of the associated bank only. Apart from the traditional features supported by the ATM, this system would be supporting additional security features. The system features are listed as follows:

- A user can withdraw cash.
- A user can change PIN of the card.
- A user can make balance inquiry.
- A user can deposit cash.
- A user will have to go through an extra security check which will include biometric of his right-thumb, applicable to specific bank if supported.
- Linking several banks into a single system with additional layer of security to protect security breach within different banks.
- A user can request for receipt.
- A user can transfer funds to another bank account.
- A user can choose option to select language: either English or French.