Nowadays, the email becomes a part of our modern life, both for personal and commercial use.

For an enterprise, the email is a primary communication medium and it is also the logical first step in mobile corporate data access. Access to corporate email is now increasingly important as more and more business applications are hosted over the Internet.

As wireless devices and applications advance, we can now access the Internet through these devices. Also, the expansion of wireless data infrastructure and the availability of wireless handheld devices have made it possible for mobile devices users to send and receive email completely non-tethered.

There is a rapid adoption of handheld computers and the growing demand for mobile access to corporate email as it is a critical step in mobile information management. In order to fulfill these needs an email client that provides a user-friendly interface for email functions is implemented.

The email client is built basing on Java 2 Micro Edition (J2ME). This client can support POP3, IMAP4 and SMTP email protocols.

Among all available wireless devices nowadays, Palm Pilot is one of the handheld devices with simple and elegant design and easy-to-use user interface, larger screen size and more functions on accessing personal information. Palm Pilot can also access wireless networks via wireless modems or cellular phones easily.
Main flow of the program

Email Client

Figure 2. main flow of the program

Set user profile

USER'S SETTING

INBOX

RECEIVE EMAIL (POP3/IMAP4)

SENDING EMAIL (SMTP)
Since J2ME offers a cross platform programming language, the J2ME email client implemented can be running on Palm and other wireless devices, e.g. Java Phone in the future.

Users can use this email client to check their emails and send their emails with attachments.

Commercial value of this project is also significant. After finishing this project, a wireless communication service company can add this email function to services they provide.