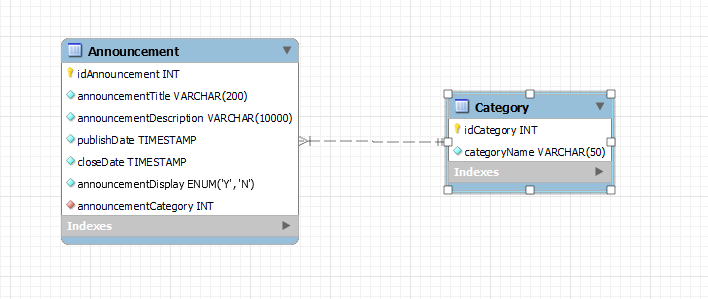
**Design ER Diagram**



**DB Script**

*-- MySQL Workbench Forward Engineering*

*SET @OLD\_UNIQUE\_CHECKS=@@UNIQUE\_CHECKS, UNIQUE\_CHECKS=0;*

*SET @OLD\_FOREIGN\_KEY\_CHECKS=@@FOREIGN\_KEY\_CHECKS, FOREIGN\_KEY\_CHECKS=0;*

*SET @OLD\_SQL\_MODE=@@SQL\_MODE, SQL\_MODE='ONLY\_FULL\_GROUP\_BY,STRICT\_TRANS\_TABLES,NO\_ZERO\_IN\_DATE,NO\_ZERO\_DATE,ERROR\_FOR\_DIVISION\_BY\_ZERO,NO\_ENGINE\_SUBSTITUTION';*

*-- -----------------------------------------------------*

*-- Schema announcement*

*-- -----------------------------------------------------*

*-- -----------------------------------------------------*

*-- Schema announcement*

*-- -----------------------------------------------------*

*CREATE SCHEMA IF NOT EXISTS `announcement` DEFAULT CHARACTER SET utf8 ;*

*USE `announcement` ;*

*-- -----------------------------------------------------*

*-- Table `mydb`.`Category`*

*-- -----------------------------------------------------*

*DROP TABLE IF EXISTS `announcement`.`Category` ;*

*CREATE TABLE IF NOT EXISTS `announcement`.`Category` (*

*`idCategory` INT NOT NULL,*

*`categoryName` VARCHAR(50) NOT NULL,*

*PRIMARY KEY (`idCategory`))*

*ENGINE = InnoDB;*

*-- -----------------------------------------------------*

*-- Table `announcement`.`Announcement`*

*-- -----------------------------------------------------*

*DROP TABLE IF EXISTS `announcement`.`Announcement` ;*

*CREATE TABLE IF NOT EXISTS `announcement`.`Announcement` (*

*`idAnnouncement` INT NOT NULL,*

*`announcementTitle` VARCHAR(200) NOT NULL,*

*`announcementDescription` VARCHAR(10000) NOT NULL,*

*`publishDate` TIMESTAMP NOT NULL,*

*`closeDate` TIMESTAMP NOT NULL,*

*`announcementDisplay` ENUM('Y', 'N') NOT NULL DEFAULT 'N',*

*`announcementCategory` INT NOT NULL DEFAULT 001,*

*PRIMARY KEY (`idAnnouncement`),*

*INDEX `fk\_Announcement\_Category\_idx` (`announcementCategory` ASC) VISIBLE,*

*CONSTRAINT `fk\_Announcement\_Category`*

*FOREIGN KEY (`announcementCategory`)*

*REFERENCES `announcement`.`Category` (`idCategory`)*

*ON DELETE NO ACTION*

*ON UPDATE NO ACTION)*

*ENGINE = InnoDB;*

*SET SQL\_MODE=@OLD\_SQL\_MODE;*

*SET FOREIGN\_KEY\_CHECKS=@OLD\_FOREIGN\_KEY\_CHECKS;*

*SET UNIQUE\_CHECKS=@OLD\_UNIQUE\_CHECKS;*

*-- -----------------------------------------------------*

*-- Data for table `announcement`.`Category`*

*-- -----------------------------------------------------*

*START TRANSACTION;*

*USE `announcement`;*

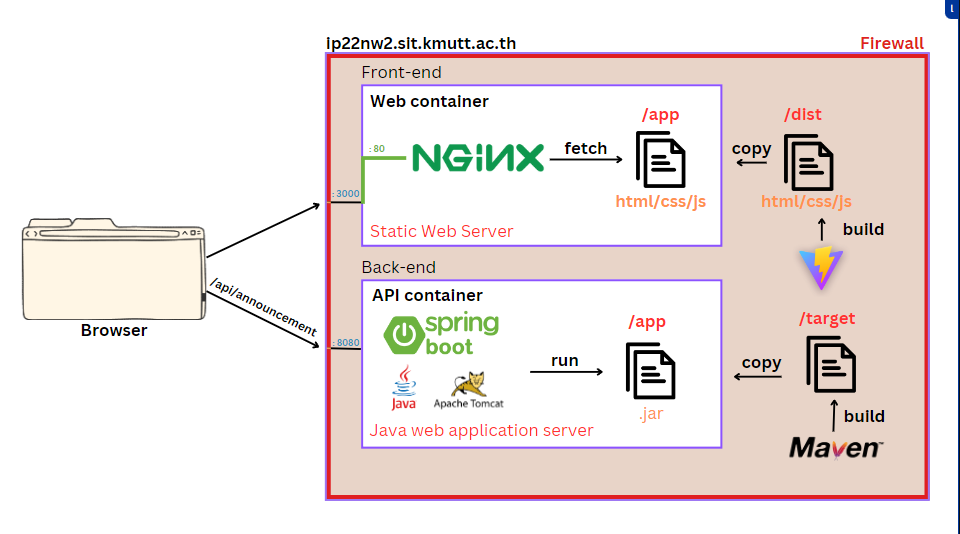
*INSERT INTO `announcement`.`Category` (`idCategory`, `categoryName`) VALUES (001, 'General');*

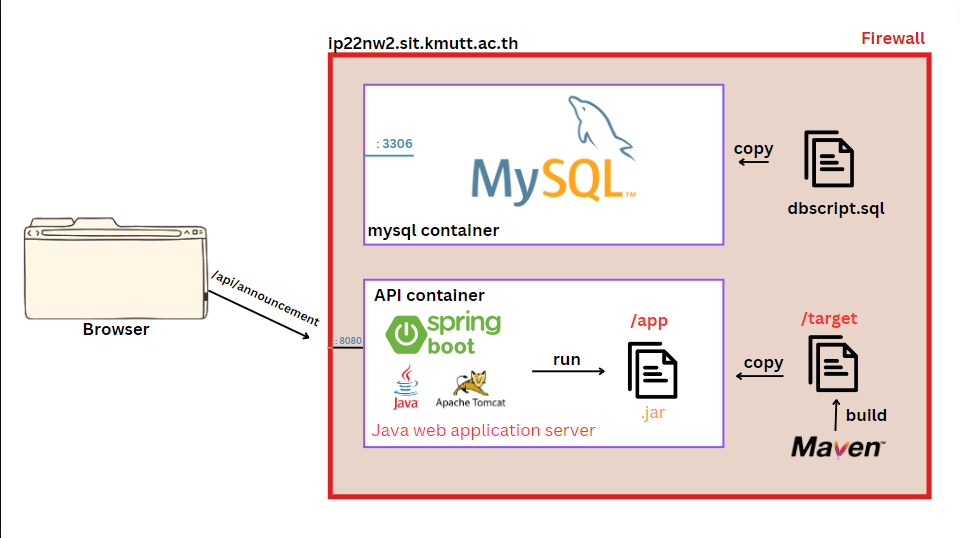
*INSERT INTO `announcement`.`Category` (`idCategory`, `categoryName`) VALUES (002, 'Grant');*

*INSERT INTO `announcement`.`Category` (`idCategory`, `categoryName`) VALUES (003, 'Job');*

*COMMIT;*

**Infrastructure Architecture**

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****

**API endpoints**