Contribution Report - ELEC5620 Group 83

Date: 2025-11-02

Team Members

Name	Unikey	Student ID	Contribution
Ning Bao	nbao6793	520063163	25%
Leyu Qian	lqia0364	540619193	25%
Ziqi Liu	ziqi0067	530365949	25%
Qiyue Chen	qche0049	540402610	25%

High-Level Features & Individual Contributions

1. Authentication & User Management

Functions:

- **Login System** (`backend/controllers/login.js`)
- **Registration System** (`backend/controllers/signUp.js`)
- **Profile Management** (`backend/controllers/profile.js`)
- **Password Change** (`backend/controllers/ChangePassword.js`)
- **Protected Routes** (`frontend/src/components/ProtectedRoute.jsx`)

Contributions: Ning Bao - Initial Login/Register Implementation (2025-10-23) - Commit: `6750649` - "Login/Register functions init" - Created: `backend/controllers/login.js`, `backend/controllers/signUp.js` - Created: `backend/middleware/auth.js` for JWT authentication - Created: `frontend/src/components/ProtectedRoute.jsx` - Created: `db_scripts/init.sql`, `db_scripts/policies.sql` (RLS policies) - Files: `AUTHENTICATION_SETUP.md`, `AUTHENTICATION_CHANGES.md`

- **Supabase Roles Integration** (2025-10-23)
  - Commit: `f600a9f` - "Login/Register Fix with Supabase roles"
  - Enhanced role-based access control
  - Fixed authentication flow with profile_roles table
  - Created: `CHECK_ENV.md`, `db_scripts/sample_classes.sql`
- **Teacher Routes & Profile Updates** (2025-10-28)
  - Commit: `fb5bf21` - "Add teacher routes and update profile response structure"
  - Updated profile controller to handle multiple roles
  - Enhanced auth middleware for role verification

Qiyue Chen - **Profile Edit Function** (2025-10-27) - Commit: `7b39334`
- "edit profile function" - Created: `backend/controllers/profile.js` -
Updated: `frontend/src/components/dashboard/SettingsView.jsx` - Added
profile editing UI and API integration

- **Change Password Function** (2025-10-27)
  - Commit: `7c965fa` - "changePassword function"
  - Created: `backend/controllers/ChangePassword.js`
  - Added password change functionality in settings
  - Updated: `frontend/src/services/authService.js`

Leyu Qian - **Database Connection Setup** (2025-10-16) - Commit: `6eb4b31`
- "Connect database" - Created: `backend/clients/supabaseClient.js` - Es-
tablished Supabase connection infrastructure

- **Registration Logic** (2025-10-17)
  - Commit: `1d7fe22` - "Add registration logic"
  - Created initial registration controller
  - Set up error handling utilities

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2. Student Dashboard & Core Features

Functions:

- **Dashboard Overview** (`frontend/src/components/dashboard/DashboardOverview.jsx`, `backend/controllers/student/dashboard.js`)
- **Classes Management** (`frontend/src/components/dashboard/ClassesView.jsx`, `backend/controllers/student/classes.js`)
- **Assignments View** (`frontend/src/components/dashboard/AssignmentsView.jsx`, `backend/controllers/student/assignments.js`)
- **Grades View** (`frontend/src/components/dashboard/GradesView.jsx`, `backend/controllers/student/grades.js`)
- **Class Detail Page** (`frontend/src/components/dashboard/ClassDetailPage.jsx`)
- **Assignment Detail Page** (`frontend/src/components/dashboard/AssignmentDetailPage.jsx`)

Contributions: Ning Bao - **Initial Student Dashboard** (2025-10-15) - Commit: `cdf4165` - "Adding Student Dashboard View" - Created: `frontend/src/pages/StudentDashboard.jsx, frontend/src/pages/StudentDashboard.css` - Created: `frontend/src/components/dashboard/DashboardOverview.jsx` - Created: `frontend/STUDENT_DASHBOARD.md`

- **Assignment Details & Assignments View** (2025-10-22)
  - Commit: `3e8b116` - "Assignment Details Page & Assignments View"
  - Created: `frontend/src/components/dashboard/AssignmentDetailPage.jsx`
  - Updated: `frontend/src/components/dashboard/AssignmentsView.jsx`
- **Class Details Page** (2025-10-22)
  - Commit: `b672396` - "Class Details Page & Student Dashboard"

- Created: `frontend/src/components/dashboard/ClassDetailPage.jsx`
- Enhanced dashboard with class navigation
- Expanded mock data for development
- **Student Data Integration** (2025-11-01)
  - Commit: `0caf8f9` - "Deleted mock data: frontend/src/components/dashboard/mockData.js Added student controllers…"
  - Created: `backend/controllers/student/assignments.js`
  - Created: `backend/controllers/student/dashboard.js`
  - Created: `backend/controllers/student/grades.js`
  - Created: `backend/controllers/student/hscSubjects.js`
  - Created: `backend/controllers/student/review.js`
  - Created: `frontend/src/services/studentApi.js`
  - Removed mock data, integrated real APIs
  - Updated all dashboard components to use real data
- **Assignment AI Features** (2025-11-02)
  - Commit: `aaa7ead` - "Fixing styles and adding assignment AI features"
  - Enhanced student assignment controller with AI integration
  - Added assignment generation capabilities
- **CSS Fixes & Class Modules** (2025-11-02)
  - Commit: `f1051cd` - "CSS fix and class modules"
  - Created: `backend/controllers/student/modules.js`
  - Enhanced ClassDetailPage with module support
  - Added module viewing functionality

Leyu Qian - **Student Classes Display** (2025-11-02) - Commit: `207f95b` - "update student/classes display (#27)" - Created: `backend/controllers/student/classes.js` - Updated: `frontend/src/components/dashboard/ClassesView.jsx` - Enhanced class listing with backend integration

- **Student Assignment Page** (2025-11-02)
  - Commit: `86a884e` - "link backend, display student assignment page (#28)"
  - Created: `frontend/src/components/dashboard/AssignmentsView.css`
  - Updated: `frontend/src/components/dashboard/AssignmentsView.jsx`
  - Fully integrated assignment display with backend
- **HSC Subject Page Fix** (2025-11-02)
  - Commit: `9c2bf34` - "fix student hsc-subject page (#29)"
  - Updated: `backend/controllers/student/hscSubjects.js`
  - Fixed HSC subjects display and selection

Leyu Qian - **HSC Subject Page Fix** (2025-11-02) - Commit: `6a36113` - "fix student hsc-subject page" - Updated HSC subjects functionality - Fixed display issues

- **Dashboard Loading Speed** (2025-11-02)
  - Commit: `3a08602` - "fix student dashboard loading speed"
  - Optimized data fetching in ClassesView and DashboardOverview

– Improved loading performance

Qiyue Chen - Grade Fixes (2025-11-02) - Commit: `0bc5449` - "fix grade" - Updated: `backend/controllers/student/grades.js` - Fixed grade display and calculation issues

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3. HSC Subject Recommendation (UC1)

Functions:

- **Course Recommendation API** (`backend/controllers/course.js`)
- **HSC Subject Recommendation UI** (`frontend/src/components/dashboard/HSCSubjectRecommenda`
- **Course Service** (`frontend/src/services/courseService.js`)
- **Instruction Template** (`backend/instructions/course-recommendation-instruction.md`)

Contributions: Leyu Qian - Backend Course Recommendation (2025-10-23) - Commit: `b77b413` - "add course recommendation logic" - Created: `backend/controllers/course.js` - Created: `backend/clients/openaiClient.js` - Created: `backend/instructions/course-recommendation-instruct` - Created: `backend/routes/aiAgent.js` - Integrated OpenAI GPT-4 for subject recommendations

- **API Route Update** (2025-10-23)
    - Commit: `3be1aff` - "update api name"
    - Renamed agent routes to aiAgent
- **Frontend Integration** (2025-10-30)
    - Commit: `d405dfa` - "EGS-61 subject recommendation frontend"
    - Created: `frontend/src/components/dashboard/HSCSubjectRecommendation.jsx`
    - Created: `frontend/src/services/courseService.js`
    - Enhanced instruction template with better prompts
    - Integrated recommendation UI into student dashboard

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4. Career Pathway Recommendation (UC9)

Functions:

- **Career Pathway API** (`backend/controllers/career.js`)
- **Career View UI** (`frontend/src/components/dashboard/CareerView.jsx`)
- **Career Result Page** (`frontend/src/pages/CareerResultPage.jsx`)
- **Career Service** (`frontend/src/services/careerService.js`)
- **Instruction Template** (`backend/instructions/career-pathway-instruction.md`)

Contributions: Leyu Qian - Backend Career Pathways (2025-10-27) - Commit: `5a30125` - "generate career pathways" - Created:

`backend/controllers/career.js` - Created: `backend/instructions/career-pathway-instruction.md`
- Integrated OpenAI for career recommendations

- **Frontend Career Pathway** (2025-10-28)
  - Commit: `2001321` - "Career pathway frontend"
  - Created: `frontend/src/pages/CareerResultPage.jsx`
  - Updated: `frontend/src/components/dashboard/CareerView.jsx`
  - Created: `frontend/src/services/careerService.js`
  - Added mock data for development

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5. Study Planner (UC2)

Functions:

- **Study Plan Generation** (`backend/controllers/student/studyPlanner.js`)
- **Study Planner View** (`frontend/src/components/dashboard/StudyPlannerView.jsx`)
- **Study Plan Service** (`frontend/src/services/studyPlanService.js`)
- **Study Plan Instruction** (`backend/instructions/study-plan-instruction.md`)

Contributions: Qiyue Chen - **Study Plan Generation** (2025-10-31) -
Commit: `7d3fe0e` - "Generate study plan" - Created: `backend/controllers/student/studyPlanner.js`
- Updated: `frontend/src/components/dashboard/StudyPlannerView.jsx`
- Created: `frontend/src/services/studyPlanService.js` - Integrated AI
study plan generation

- **Study Plan Documentation** (2025-11-01)
  - Commit: `9c895f5` - "instructions"
  - Created comprehensive documentation:
    * `DATABASE_FIX_GUIDE.md`
    * `DEBUG_STUDY_PLAN.md`
    * `STUDY_PLAN_FIXES.md`
    * `STUDY_PLAN_TEST.md`
    * `UC2_STUDY_PLAN_GUIDE.md`
    * `USE_CASE_IMPLEMENTATION_STATUS.md`
  - Created: `backend/instructions/study-plan-instruction.md`
  - Created: `db_scripts/add_study_plan_columns.sql`

Ziqi Liu - **Study Plan Enhancements** (2025-11-02) - Commit: `c4ff1a8`
- "Fix the dashboard and Teacher portal Assignment generation" - Updated:
`backend/controllers/student/studyPlanner.js` - Improved study plan generation logic

Qiyue Chen - **Knowledge Gaps & Study Plan Fixes** (2025-11-02) - Commit: `e6ec854` - "Feat(knowledgeGaps): Add function of identify knowledge gaps and fix study plan" - Added knowledge gaps identification - Fixed study plan generation issues

- **LocalStorage Integration** (2025-11-02)
  - Commit: `50cf314` - "Fix: Add localStorage for four pages"
  - Added localStorage persistence for study plan data

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6. Teacher Portal

Functions:

- **Teacher Dashboard** (`frontend/src/pages/TeacherDashboard.jsx`)
- **Class Management** (`backend/controllers/teacher/classes.js`, `frontend/src/components/teacher/ClassDetailView.jsx`)
- **Assignment Management** (`backend/controllers/teacher/assignments.js`, `frontend/src/components/teacher/AssignmentsView.jsx`)
- **Student Management** (`backend/controllers/teacher/students.js`, `frontend/src/components/teacher/StudentsView.jsx`)
- **Grading** (`backend/controllers/teacher/submissions.js`, `frontend/src/components/teacher/Gra`
- **Analytics** (`backend/controllers/teacher/analytics.js`, `frontend/src/components/teacher/Anal`
- **Announcements** (`backend/controllers/teacher/announcements.js`, `frontend/src/components/teacher/AnnouncementsView.jsx`)

Contributions: Ning Bao - Initial Teacher Dashboard (2025-10-27) - Commit: `bd47241` - "Adding Teacher's dashboard (frontend prototype only)" - Created: `frontend/src/pages/TeacherDashboard.jsx`, `frontend/src/pages/TeacherDashboard.css` - Created all teacher components: - `AnalyticsView.jsx` - `AnnouncementsView.jsx` - `AssignmentsView.jsx` - `ClassDetailView.jsx` - `CreateAssignmentView.jsx` - `DashboardOverview.jsx` - `GradeAssignmentView.jsx` - `MyClassesView.jsx` - `SettingsView.jsx` - `StudentsView.jsx` - Created: `frontend/TEACHER_PORTAL.md` - Created mock data for development

- **Teacher Backend Integration** (2025-10-28)
  - Commit: `fb5bf21` - "Add teacher routes and update profile response structure"
  - Created: `backend/controllers/teacher/announcements.js`
  - Updated: `backend/controllers/teacher/assignments.js`
  - Updated: `backend/controllers/teacher/classes.js`
  - Updated: `backend/controllers/teacher/students.js`
  - Created: `backend/routes/teacher.js`
  - Created: `backend/TEACHER_API.md`
  - Created: `frontend/src/services/teacherApi.js`
  - Updated all teacher components to use real APIs
- **Teacher Portal Enhancements** (2025-11-02)
  - Commit: `aaa7ead` - "Fixing styles and adding assignment AI features"
  - Created comprehensive CSS files for all teacher components

- – Enhanced assignment creation with AI features
  - – Created: `backend/instructions/assignment-generation-instruction.md`
  - – Created: `backend/instructions/assignment-rubric-instruction.md`
- **Class Modules Function** (2025-11-02)
  - – Commit: `f1051cd` - "CSS fix and class modules"
  - – Created: `backend/controllers/teacher/modules.js`
  - – Created: `frontend/src/components/teacher/ModulesView.css`
  - – Updated: `frontend/src/components/teacher/ClassDetailView.jsx`
  - – Added module management functionality
- **PDF Content Summarization** (2025-11-02)
  - – Commit: `48312b9` - "Adding PDF AI content summarisation"
  - – Enhanced module controller with PDF parsing
  - – Added AI summarization for uploaded content
- **Class Detail Enhancements** (2025-11-02)
  - – Commit: `d67ec9c` - "ClassDetailView.jsx Added onAssignmentClick prop…"
  - – Enhanced ClassDetailView with assignments and announcements tabs
  - – Added assignment navigation
  - – Improved dashboard overview with announcement counts
- **Style Updates** (2025-11-02)
  - – Commit: `47eac84` - "Style update for Students page in teacher portal"
  - – Enhanced styling for StudentsView and StudentGradesView
  - – Removed mock data
- **Code Cleanup** (2025-11-02)
  - – Commit: `9cc7fe3` - "Removed debug console.log statements…"
  - – Cleaned up debug statements across controllers
  - – Added assignment status badge styling

Qiyue Chen - **Teacher Backend Initial** (2025-10-28) - Commit: `f580d58` - "Teacher backend" - Created: `backend/controllers/teacher/aiFeatures.js` - Created: `backend/controllers/teacher/assignments.js` - Created: `backend/controllers/teacher/classes.js` - Created: `backend/controllers/teacher/students.js` - Created: `backend/controllers/teacher/submissions.js` - Created: `backend/routes/teacher.js` - Established teacher backend infrastructure

Ziqi Liu - **Teacher Portal Connection** (2025-11-01) - Commit: `4f8eb0d` - "Connect the frontend and backend of the teacher portal" - Created: `backend/controllers/teacher/analytics.js` - Updated: `backend/controllers/teacher/students.js` - Enhanced AnalyticsView with real data - Improved StudentsView integration

- **Teacher Function Fixes** (2025-11-01)
  - – Commit: `e041ca7` - "Fix the Teacher function"
  - – Updated: `backend/controllers/teacher/aiFeatures.js`
  - – Enhanced assignment and submission handling

- Created: `frontend/src/components/teacher/StudentGradesView.jsx`
- Improved grade viewing functionality
- **Dashboard & Assignment Fixes** (2025-11-02)
  - Commit: `c4ff1a8` - "Fix the dashboard and Teacher portal Assignment generation"
  - Updated: `backend/controllers/teacher/aiFeatures.js`
  - Enhanced assignment generation with AI
  - Improved CreateAssignmentView
- **Teacher Portal Documentation** (2025-11-01)
  - Commit: `0fdf397` - "Fix the Teacher port"
  - Created comprehensive documentation:
    * `BACKEND_ENV_SETUP.md`
    * `DEPLOYMENT_INSTRUCTIONS.md`
    * `QUICK_START_TEACHER.md`
    * `TEACHER_BACKEND_COMPLETE.md`
    * `TEACHER_CLASS_CREATION_COMPLETE.md`
    * `TEST_CLASS_CREATION.md`
    * `TROUBLESHOOTING_CLASS_CREATION.md`
  - Updated: `backend/TEACHER_BACKEND_SUMMARY.md`
  - Created database scripts documentation

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7. AI Features (UC4, UC7, UC10, UC11)

Functions:

- **Auto-Grading** (`backend/controllers/teacher/aiFeatures.js` → autoGradeSubmission)
- **Class Analytics** (`backend/controllers/teacher/aiFeatures.js` → analyzeClassPerformance)
- **Rubric Generation** (`backend/controllers/teacher/aiFeatures.js` → generateRubric)
- **Content Summarization** (`backend/controllers/teacher/aiFeatures.js` → summarizeContent)

Contributions: **Qiyue Chen** - **Initial AI Features** (2025-10-28) - Commit: `f580d58` - "Teacher backend" - Created: `backend/controllers/teacher/aiFeatures.js` - Implemented auto-grading, class analytics, rubric generation

Ning Bao - **AI Features Enhancement** (2025-10-28) - Commit: `19425fa` - Merge commit - Updated: `backend/controllers/teacher/aiFeatures.js` - Enhanced AI capabilities

- **Assignment AI Features** (2025-11-02)
  - Commit: `aaa7ead` - "Fixing styles and adding assignment AI features"
  - Enhanced: `backend/controllers/teacher/aiFeatures.js`

- Created instruction templates for assignment generation
- Added rubric generation improvements
- **Final AI Fixes** (2025-11-02)
  - Commit: `2a98d27` - "Backend (aiFeatures.js): Added validation…"
  - Enhanced auto-grading validation
  - Improved error handling
  - Added content checks for submissions

Ziqi Liu - **AI Features Updates** (2025-11-01) - Commit: `e041ca7` - "Fix the Teacher function" - Updated: `backend/controllers/teacher/aiFeatures.js` - Improved AI feature reliability

- **Assignment Generation** (2025-11-02)
  - Commit: `c4ff1a8` - "Fix the dashboard and Teacher portal Assignment generation"
  - Enhanced AI assignment generation
  - Improved prompt engineering

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8. Weekly Reports (UC8)

Functions:

- **Weekly Report Generation** (`backend/controllers/weeklyReport.js`)
- **Weekly Report View** (`frontend/src/components/dashboard/WeeklyReportView.jsx`)
- **Weekly Report Service** (`frontend/src/services/weeklyReportService.js`)
- **Parent Weekly Report** (`backend/controllers/parent/weeklyReport.js`, `frontend/src/components/parent/ChildWeeklyReportView.jsx`)

Contributions: **Ziqi Liu** - **Initial Weekly Report** (2025-10-26) - Commit: `10a0a75` - "Add Weekly Report and HSC Subjects function" - Created: `frontend/src/components/dashboard/WeeklyReportView.jsx` - Added weekly report UI to student dashboard

Leyu Qian - **Weekly Report Backend & Frontend** (2025-11-02) - Commit: `d479fa6` - "add weekly report backend and front-end" - Created: `backend/controllers/weeklyReport.js` - Created: `backend/instructions/weekly-report-instr.md` - Updated: `frontend/src/components/dashboard/WeeklyReportView.jsx` - Created: `frontend/src/services/weeklyReportService.js` - Integrated OpenAI for report generation

- **Parent Dashboard Weekly Report** (2025-11-02)
  - Commit: `0ee6985` - "parent dashboard weekly report"
  - Created: `backend/controllers/parent/weeklyReport.js`
  - Created: `backend/controllers/parent/children.js`
  - Created: `frontend/src/components/parent/ChildWeeklyReportView.jsx`
  - Created: `frontend/src/services/parentApi.js`
  - Added parent access to student weekly reports

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9. HSC Subjects Management

Functions:

- **HSC Subjects View** (`frontend/src/components/dashboard/HSCSubjectsView.jsx`)
- **HSC Subjects API** (`backend/controllers/student/hscSubjects.js`)
- **Selected Subjects** (`backend/controllers/student/selectedSubjects.js`)

Contributions: **Ziqi Liu** - **Initial HSC Subjects** (2025-10-26) - Commit: `10a0a75` - "Add Weekly Report and HSC Subjects function" - Created: `frontend/src/components/dashboard/HSCSubjectsView.jsx` - Added HSC subjects browsing functionality

- **HSC Subjects Reuse** (2025-10-27)
  - Commit: `215ff1e` - "Reuse the functions"
  - Updated HSC subjects view with shared functions

Ning Bao - **HSC Subjects Backend** (2025-11-01) - Commit: `0caf8f9` - "Deleted mock data: frontend/src/components/dashboard/mockData.js…" - Created: `backend/controllers/student/hscSubjects.js` - Integrated HSC subjects with real database

Leyu Qian - **HSC Subjects Fix** (2025-11-02) - Commit: `9c2bf34` - "fix student hsc-subject page (#29)" - Updated: `backend/controllers/student/hscSubjects.js` - Fixed subjects display and selection

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10. Practice Questions & Review (UC3, UC6)

Functions:

- **Practice Questions** (`backend/controllers/student/practiceQuestions.js`)
- **Practice Answers** (`backend/controllers/student/practiceAnswers.js`)
- **Review Incorrect Questions** (`frontend/src/components/dashboard/ReviewIncorrectQuestions.` `backend/controllers/student/reviewQuestions.js`)
- **Knowledge Gaps** (`backend/controllers/student/knowledgeGaps.js`, `frontend/src/components/dashboard/KnowledgeGaps.jsx`)

Contributions: **Ziqi Liu** - **Initial Review Interface** (2025-10-26) - Commit: `10a0a75` - "Add Weekly Report and HSC Subjects function" - Created: `frontend/src/components/dashboard/ReviewIncorrectQuestions.jsx` - Added review incorrect questions UI

- **Review Functions Reuse** (2025-10-27)
  - Commit: `215ff1e` - "Reuse the functions"
  - Updated review interface with shared functions

Ning Bao - **Review Backend** (2025-11-01) - Commit: `0caf8f9` - "Deleted mock data…" - Created: `backend/controllers/student/review.js` - Created: `db_scripts/create_incorrect_questions.sql` - Integrated review functionality with database

Qiyue Chen - **Practice Questions Generation** (2025-11-02) - Commit: `68ae7ba` - "generate practice questions and review incorrect questions" - Likely created practice questions functionality - Enhanced review incorrect questions

- **Review Fixes** (2025-11-02)
  - Commit: `3ee48f8` - "fix: reviewQuestions"
  - Fixed review questions functionality
- **Review CSS Fixes** (2025-11-02)
  - Commit: `f63634e` - "fix: review css"
  - Improved review interface styling
- **Knowledge Gaps** (2025-11-02)
  - Commit: `e6ec854` - "Feat(knowledgeGaps): Add function of identify knowledge gaps…"
  - Added knowledge gaps identification
  - Created: `frontend/src/components/dashboard/KnowledgeGaps.jsx`
  - Integrated with study plan fixes

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11. Chatbot Feature (UC5)

Functions:

- **Chat API** (`backend/controllers/student/chat.js`)
- **Chat View** (`frontend/src/components/dashboard/ChatView.jsx`)
- **Chat Service** (`frontend/src/services/chatService.js`)

Contributions: **Qiyue Chen** - **Chatbot Function** (2025-11-02) - Commit: `1e78e18` - "chatbot function" - Created: `backend/controllers/student/chat.js` - Created: `frontend/src/components/dashboard/ChatView.jsx` - Created: `frontend/src/components/dashboard/ChatView.css` - Created: `frontend/src/services/chatService.js` - Integrated OpenAI chat functionality

Ziqi Liu - **Chat Enhancements** (2025-11-02) - Commit: `c4ff1a8` - "Fix the dashboard and Teacher portal Assignment generation" - Updated: `backend/controllers/student/chat.js` - Improved chat functionality

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12. Admin Portal

Functions:

- **Admin Dashboard** (`frontend/src/pages/AdminDashboard.jsx`)

- **User Management** (`backend/controllers/admin.js`)
- **Create User** (`frontend/src/components/admin/CreateUserModal.jsx`)
- **Edit User** (`frontend/src/components/admin/EditUserModal.jsx`)
- **Students View** (`frontend/src/components/admin/StudentsView.jsx`)
- **Teachers View** (`frontend/src/components/admin/TeachersView.jsx`)

Contributions: Qiyue Chen - Admin Management (2025-11-01) - Commit: `29f2920` - "admin management frontenda and backend" - Created: `backend/controllers/admin.js` - Created: `backend/routes/admin.js` - Created: `frontend/src/pages/AdminDashboard.jsx` - Created: `frontend/src/pages/AdminDashboard.css` - Created: `frontend/src/pages/AdminLogin.jsx` - Created admin components: - `CreateUserModal.jsx` - `EditUserModal.jsx` - `ResetPasswordModal.jsx` - `DashboardOverview.jsx` - `StudentsView.jsx` - `TeachersView.jsx` - Created: `frontend/src/services/adminApi.js` - Created diagnostic tools: - `backend/check-db-connection.js` - `backend/diagnose-db.js` - `backend/fix-missing-roles.js` - `backend/test-admin-db.js` - `backend/test-admin-endpoint.js` - `backend/test-admin-fix.js`

Ning Bao - **Admin Code Cleanup** (2025-11-02) - Commit: `9cc7fe3` - "Removed debug console.log statements…" - Cleaned up admin controller debug statements

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13. Parent Portal

Functions:

- **Parent Dashboard** (`frontend/src/pages/ParentDashboard.jsx`)
- **Parent Login** (`frontend/src/pages/ParentLogin.jsx`)
- **Children Management** (`backend/controllers/parent/children.js`)
- **Child Weekly Report** (`frontend/src/components/parent/ChildWeeklyReportView.jsx`)

Contributions: Leyu Qian - Parent Page (2025-11-01) - Commit: `9891359` - "add parent page" - Created: `frontend/src/pages/ParentDashboard.jsx` - Created: `frontend/src/pages/ParentLogin.jsx` - Added parent portal routing

- **Parent Name Display Fix** (2025-11-02)
  - Commit: `a44101f` - "fix bug for parent name display (#22)"
  - Fixed parent name display in dashboard

Leyu Qian - **Parent Weekly Report** (2025-11-02) - Commit: `0ee6985` - "parent dashboard weekly report" - Created: `backend/controllers/parent/weeklyReport.js` - Created: `backend/controllers/parent/children.js` - Created: `frontend/src/components/parent/Child` - Created: `frontend/src/services/parentApi.js` - Added weekly report viewing for parents

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14. Landing Page & Routing

Functions:

- **Landing Page** (`frontend/src/pages/Landing.jsx`)
- **App Routing** (`frontend/src/App.jsx`)
- **Protected Routes** (`frontend/src/components/ProtectedRoute.jsx`)

Contributions: Ning Bao - **Initial Landing Page** (2025-10-15) - Commit: `3e10623` - "JIRA-135 Add Landing page with styles and routing support" - Created: `frontend/src/pages/Landing.jsx` - Created: `frontend/src/pages/Landing.css` - Added React Router setup

- **App Component Refactor** (2025-10-15)
  - Commit: `5955a08` - "JIRA-136 Refactor App component to implement routing with React Router…"
  - Updated: `frontend/src/App.jsx`
  - Created authentication pages:
    * `StudentLogin.jsx`
    * `StudentRegister.jsx`
    * `TeacherLogin.jsx`
    * `AccountRecovery.jsx`
  - Created: `frontend/src/pages/Auth.css`
  - Created: `frontend/AUTH_PAGES.md`

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15. Database & Infrastructure

Functions:

- **Database Schema** (`db_scripts/init.sql`)
- **RLS Policies** (`db_scripts/policies.sql`)
- **Teacher Tables** (`db_scripts/teacher_tables.sql`)
- **Storage Policies** (`db_scripts/storage_policies.sql`)

Contributions: Ning Bao - **Initial Database Setup** (2025-10-23) - Commit: `6750649` - "Login/Register functions init" - Created: `db_scripts/init.sql` (523 lines) - Created: `db_scripts/policies.sql` (702 lines) - Established core database schema and RLS

- **Database Fixes** (2025-10-23)
  - Commit: `f600a9f` - "Login/Register Fix with Supabase roles"
  - Updated: `db_scripts/policies.sql`
  - Created: `db_scripts/sample_classes.sql`
  - Created: `db_scripts/README_AMENDMENTS.md`
- **Teacher Tables** (2025-10-28)
  - Commit: `fb5bf21` - "Add teacher routes…"
  - Created: `db_scripts/teacher_tables.sql`

- **Student Data Tables** (2025-11-01)
    - Commit: `0caf8f9` - "Deleted mock data…"
    - Created: `db_scripts/create_incorrect_questions.sql`
    - Created: `db_scripts/fix_missing_roles.sql`
- **Storage Policies** (2025-11-02)
    - Commit: `f1051cd` - "CSS fix and class modules"
    - Created: `db_scripts/storage_policies.sql`

Qiyue Chen - **Study Plan Tables** (2025-11-01) - Commit: `9c895f5` - "instructions" - Created: `db_scripts/add_study_plan_columns.sql`

Ziqi Liu - **Database Documentation** (2025-11-01) - Commit: `0fdf397` - "Fix the Teacher port" - Created: `db_scripts/README_COMPLETE.md` - Created: `db_scripts/ANALYTICS_README.md` - Created: `db_scripts/POPULATE_ENROLLMENTS_README.md` - Created: `db_scripts/POPULATE_ASSIGNMENTS_README.md` - Created: `db_scripts/SPLIT_NAME_README.md` - Created: `db_scripts/STUDY_PLANNER_README.md`

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16. Docker & Deployment

Functions:

- **Docker Configuration** (`Dockerfile`, `docker-compose.yml`)
- **Docker Development** (`Dockerfile.dev`, `docker-compose.dev.yml`)
- **Start Scripts** (`start-docker.sh`, `start-docker.bat`)

Contributions: Qiyue Chen - **Docker Setup** (2025-11-02) - Commit: `d0ba179` - "docker" - Created Docker configuration files - Set up containerization

Ning Bao - **Deployment Documentation** (2025-11-01) - Commit: `0fdf397` (via merge) - Documentation updates - Created: `DEPLOYMENT_INSTRUCTIONS.md`

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17. Notifications & Announcements

Functions:

- **Student Announcements** (`backend/controllers/student/announcements.js`)
- **Teacher Announcements** (`backend/controllers/teacher/announcements.js`)

Contributions: Leyu Qian - **Notification Logic** (2025-11-02) - Commit: `f3dcd57` - "add notification logic (#23)" - Created: `backend/controllers/student/announcements.js` - Updated: `frontend/src/pages/StudentDashboard.jsx` - Created: `frontend/src/services/studentApi.js` - Added notification system

Ning Bao - **Teacher Announcements** (2025-10-28) - Commit: `fb5bf21` - "Add teacher routes…" - Created: `backend/controllers/teacher/announcements.js` - Integrated announcements in teacher portal

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18. Course/Provider Mapping

Functions:

- **Tertiary Courses Mapping** (`backend/controllers/tertiaryCoursesSubjectsMapping.js`)

Contributions: Leyu Qian - Course/Provider Mapping (2025-10-27) - Commit: `936b6cf` - "C4. Course/Provider mapping" - Created: `backend/controllers/tertiaryCoursesSubjectsMapping.js` - Added mapping between HSC subjects and tertiary courses

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19. Email Service

Functions:

- **Email Service** (`backend/utils/emailService.js`)
- **AWS SES Integration** (`backend/clients/sesClient.js`)

Contributions: Ning Bao - AWS SES Email (2025-11-02) - Commit: `ad573ef` - "AWS SES email send function added" - Created email service for sending notifications - Integrated AWS SES for email delivery

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Summary Statistics

Feature Category

Feature Category	Primary Contributors	Completion Status
Authentication	Ning Bao, Qiyue Chen	Complete
Student Dashboard	Ning Bao, Leyu Qian	Complete
Teacher Portal	Ning Bao, Qiyue Chen, Ziqi Liu	Complete
AI Features	Qiyue Chen, Ning Bao, Ziqi Liu	Complete
Study Planner	Qiyue Chen, Ziqi Liu	Complete
Career Pathways	Leyu Qian	Complete
HSC Subjects	Ziqi Liu, Ning Bao, Leyu Qian	Complete
Weekly Reports	Ziqi Liu, Leyu Qian	Complete
Practice Questions	Qiyue Chen, Ning Bao	Complete
Admin Portal	Qiyue Chen	Complete
Parent Portal	Leyu Qian	Complete
Database	Ning Bao, Qiyue Chen, Ziqi Liu	Complete
Docker	Qiyue Chen, Ning Bao	Complete

Conclusion

The HSC Power platform represents a collaborative effort with clear specialization: - **Ning Bao**: Frontend architecture, teacher portal, infrastructure - **Leyu Qian**: Backend architecture, AI features, course/career recommendations, weekly reports, parent portal, bug fixes - **Ziqi Liu**: Teacher portal features, analytics, weekly reports - **Qiyue Chen**: Student portal, study planner, practice questions, admin features, knowledge gaps, study plan improvements

Each contributor brought unique expertise, resulting in a comprehensive educational platform with AI-powered features, multi-role support, and modern architecture.