Class: 23CLC09 - Introduction to Software Engineering

Group ID: 02

Group name: PixelCrafters

Project name: Jobify

TEAM CONTRACT

Members:

23127211 - Nguyễn Lê Hồ Anh Khoa

23127040 - Bùi Minh Duy

23127254 - Nguyễn Thị Như Quỳnh

23127524 - Hình Diễm Xuân

1. Team Roles and Responsibilities

Member	Primary Role	Secondary Role	Detailed Description
A - Team Leader: Nguyễn Lê Hồ Anh Khoa	Product Owner (PO) + Scrum Master	Fullstack Developer	- Plan and coordinate sprint cycles, daily stand-ups, sprint reviews, and retrospectives. - Liaise with mentors/instructors to clarify requirements and scope. - Track overall project progress and manage documentation. - Lead priority decisions for features and verify demos. - Provide backend/frontend assistance as needed due to full-stack experience.

Member	Primary Role	Secondary Role	Detailed Description
B - UI/UX Designer: Hình Diễm Xuân	UI/UX Design Lead	Quality Assurance, Frontend Support	- Design wireframes, user flows, and visual layouts using Figma. - Develop style guides, color schemes, responsive and accessible design. - Test UI for usability, responsiveness, and bug identification. - Write UI/UX guidelines and documentation for frontend developers. - Assist with frontend component development (Next.js + Tailwind CSS).
C - Frontend Developer: Nguyễn Thị Như Quỳnh	Frontend Lead	UI/UX Support, Documentation	- Build main frontend interface using Next.js and Tailwind CSS. - Integrate frontend with backend APIs, manage state, forms, error handling. - Implement login, dashboard, job listing, and candidate interfaces. - Document frontend code architecture, folder structure, and reusable components. - Write detailed technical documentation mapping API endpoints to UI features.
D - Backend Developer: Bùi Minh Duy	Backend Lead	Frontend Support	- Develop backend RESTful APIs with Express.js. - Design and manage PostgreSQL database schema using Prisma or raw SQL. - Implement core business logic: authentication, job CRUD operations, search and matching algorithms.

Member	Primary Role	Secondary Role	Detailed Description
			- Setup middleware for validation, security (e.g., JWT), environment variables.
			- Support frontend team by clarifying API contracts and troubleshooting data issues.

2. Communication Plan

- **Primary Tools:** Messenger (daily communication), Google Meet (weekly meetings), Jira (Task tracker).
- **Meeting Schedule:**
  - Weekly meetings every Friday at a coffee shop.
  - Additional ad-hoc meetings as needed.
- **Response Time Expectations:**
  Messages on Messenger should be responded to within 24 hours. Urgent matters will be marked accordingly.
- **Decision-Making & Conflict Resolution Protocol:**
  - General decisions will be made through group discussion and consensus.
  - If consensus cannot be reached, a simple majority vote will determine the outcome.
  - In the event of unresolved conflicts, the Project Manager will mediate or escalate the issue to the supervisor.

3. Code and Documentation Standards

- **Coding Conventions:**

Item	Convention	Examples

Variables & Functions	camelCase	getUser, userList
Constants	UPPERCASE	PORT, KEY
Component Names	PascalCase	UserCard, NavBar
JS File & Folder Names	camelCase	userRoutes.js, getData.js

- **Version Control:**
  All code changes must be committed to GitHub, and feature branches are required to be reviewed through pull requests prior to merging into the main branch.
- **Testing and Reviews:**
  All major features must include tests. Code will be reviewed by at least one peer before merging.

4. Accountability and Performance

- **Performance Measurement:**
  Based on task completion on Jira, code quality, participation in meetings, and collaboration.
- **Handling Underperformance:**
  If a member consistently underperforms, a private meeting will be held to

discuss concerns.

Continued lack of effort may result in involvement of the course supervisor.

- **Consequences:**

Repeated violations of this contract may lead to reduced contribution credit or peer evaluation penalties.

5. Decision-Making Process

- **Method:**

Decisions will be made through open discussion and majority vote.

- **Final Authority:**

In case of stalemates, the Project Manager has the authority to make the final call.

6. Conflict Resolution

- **Dispute Protocol:**

Conflicts should first be addressed directly between the involved members.
If the issue remains unresolved, it will be brought before the group.
Persistent issues will be escalated to the course instructor for resolution.

7. Review and Update Process

- **Review Schedule:**

We will review this contract at the project's midpoint and whenever there are significant changes to the project.

- **Amendment Protocol:**

Revisions can be made with team agreement and must be documented.