

# Project Development Plan - Fourward Language

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## 1. Project Overview

- Project Name: Fourward Programming Language
- Team Members: Om Patel, Vasu Patel, Nirmal Nelson, Abel Prasad
- Project Duration: Jan 2025 - Apr 2025

## 2. Development Methodology

- Agile development approach
- Weekly sprints with team meetings

## 3. Timeline and Milestones

### Week 1-4: Language Design and Specification

- Define language syntax and semantics
- Create initial language whitepaper
- Design core language features

### Week 5-8: Interpreter Development

- Implement basic interpreter structure
- Develop core language features
- Create initial test suite

### Week 9-12: Advanced Features

- Implement advanced language features
- Develop standard library
- Create example programs

### Week 12-16: Testing and Documentation

- Testing
- Documentation completion
- Final refinements

## 4. Team Roles and Responsibilities

### Project Manager: Om Patel

- Coordinate team efforts
- Track project progress
- Manage deadlines

### Language Designer: Nirmal Nelson

- Define language syntax
- Create language specification
- Design language features

#### Interpreter Developer: Om Patel

- Implement language interpreter
- Develop runtime environment
- Optimize performance

#### Documentation Specialist: Vasu Patel

- Create tutorials
- Write reference manual
- Maintain documentation

#### Testing Engineer: Abel Prasad

- Perform system testing
- Ensure quality

## 5. Risk Management

#### Potential Risks:

- Technical challenges
- Time constraints

#### Mitigation Strategies:

- Regular progress reviews
- Prioritize core features
- Maintain clear documentation

## 6. Deliverables

- Working interpreter
- Complete documentation
- Test suite
- Example programs
- Final project report

## 7. Success Criteria

- Functional interpreter
- Complete documentation
- Passing test suite
- Clear examples
- Positive feedback