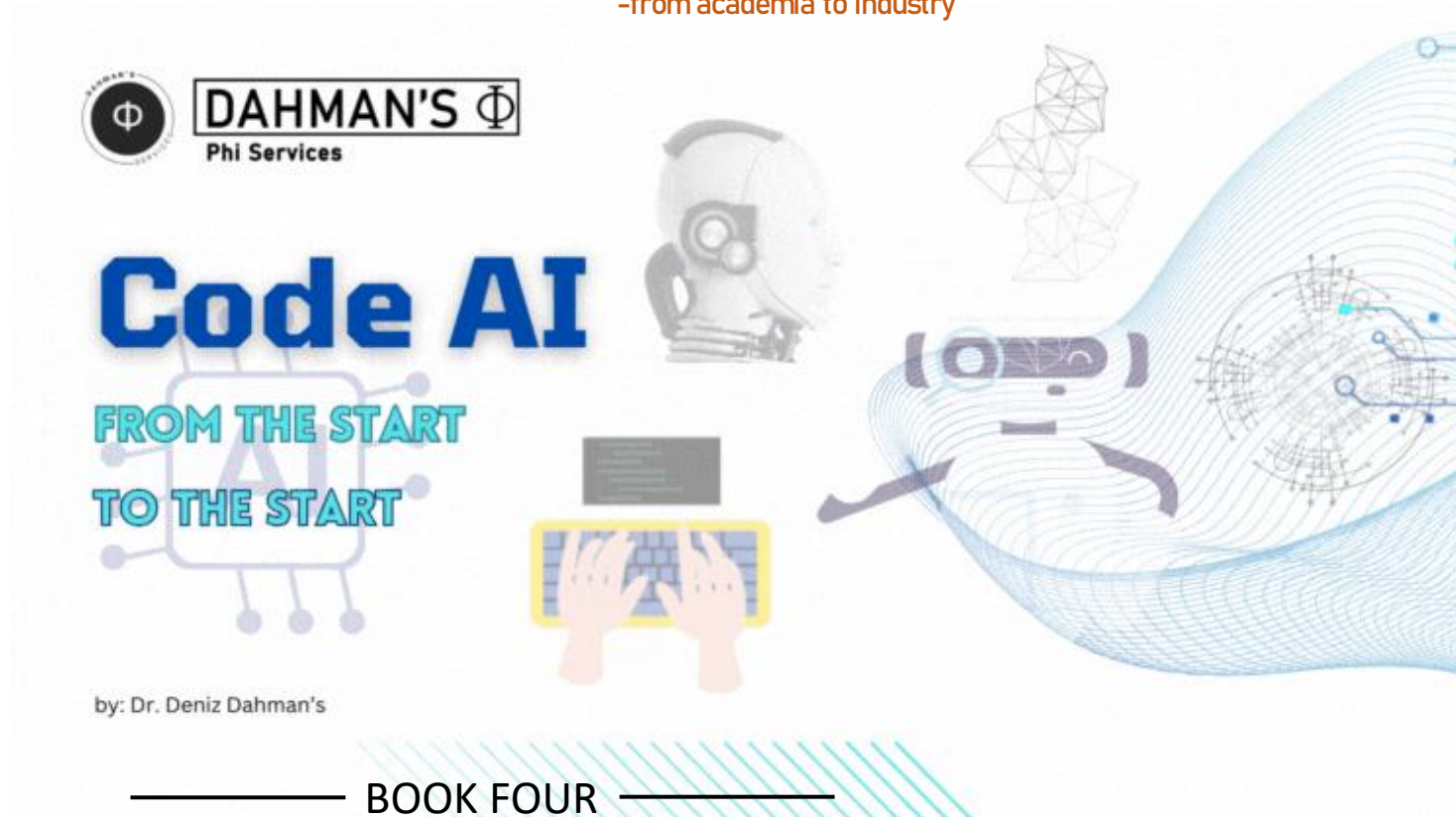




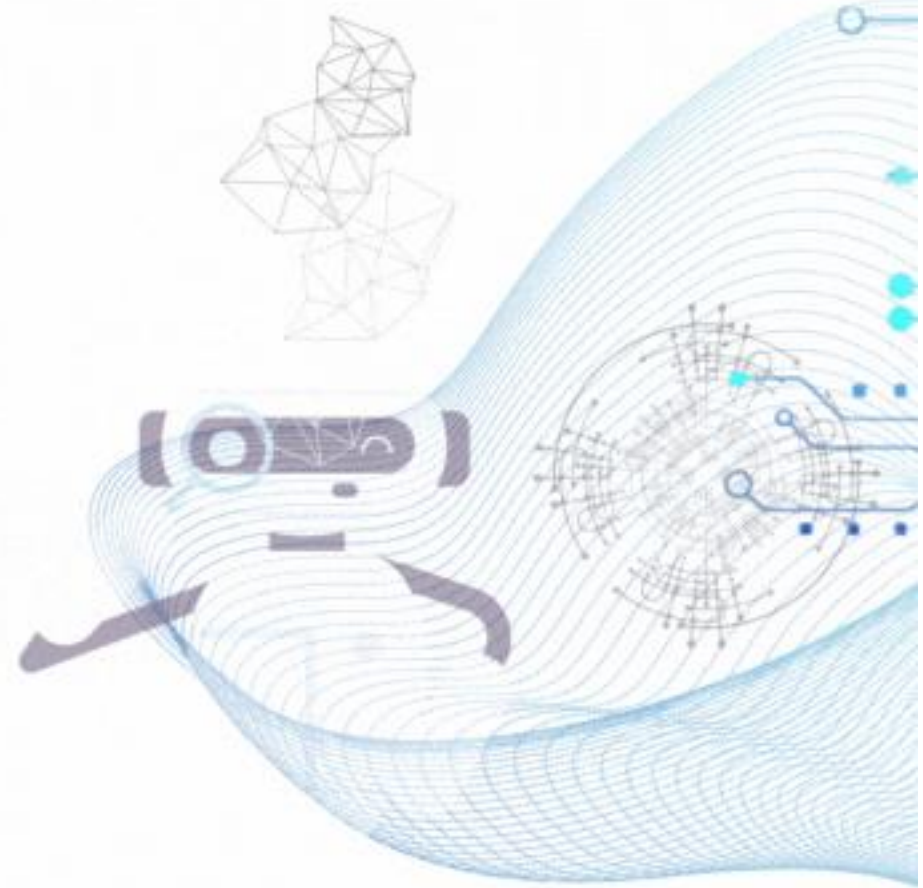
THE BIG BANG OF DATA SCIENCE

-from academia to industry





DAHMAN'S Φ
Phi Services



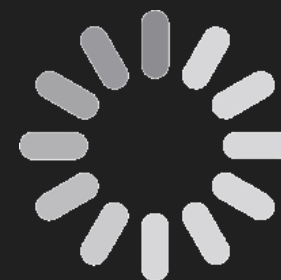
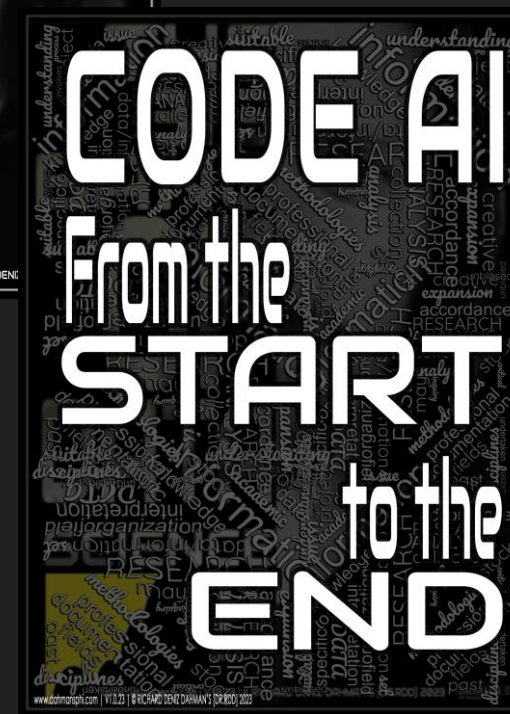


Chapter One

Chapter Two

Chapter Three

Chapter Four





INTRODUCTION

Chapter One



Chapter Two



Chapter Three



Chapter Four



- ✓ COURSE STRATEGY
- ✓ PROJECT & TIMELINE
- ✓ PROGRAMMING & STRUCTURE
- ✓ DEVELOPMENT – EXECUTION & MAINTENANCE



TECHNICAL SETUP

- ✓ THE UNDERLYING AI PRINCIPLE
- ✓ FRONEND - BACKEND AND DB
- PRINCIPLES
- ✓ PROJECT SETUP AND ESSENTIALS



Chapter One

Chapter Two

Chapter Three

Chapter Four





HCC V01 PROJECT

Chapter One



Chapter Two



Chapter Three



- ✓ PROJECT INTRODUCTION
- ✓ WORKFLOW OF THE PROJECT
- ✓ PROJECT EXECUTION

Chapter Four





FSP V01 PROJECT

Chapter One



✓ PROJECT INTRODUCTION

Chapter Two



✓ WORKFLOW OF THE PROJECT

Chapter Three



✓ PROJECT EXECUTION

Chapter Four

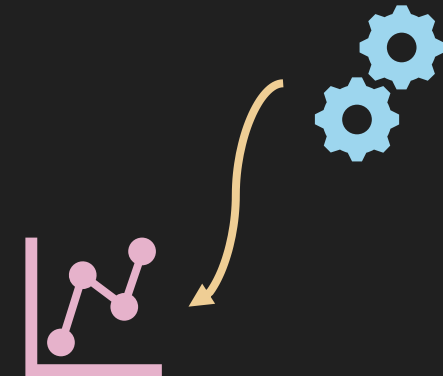




Chapter One

INTRODUCTION

- ✓ COURSE STRATEGY 
- ✓ PROJECT & TIMELINE 
- ✓ PROGRAMMING & STRUCTURE 
- ✓ DEVELOPMENT – EXECUTION & MAINTENANCE 

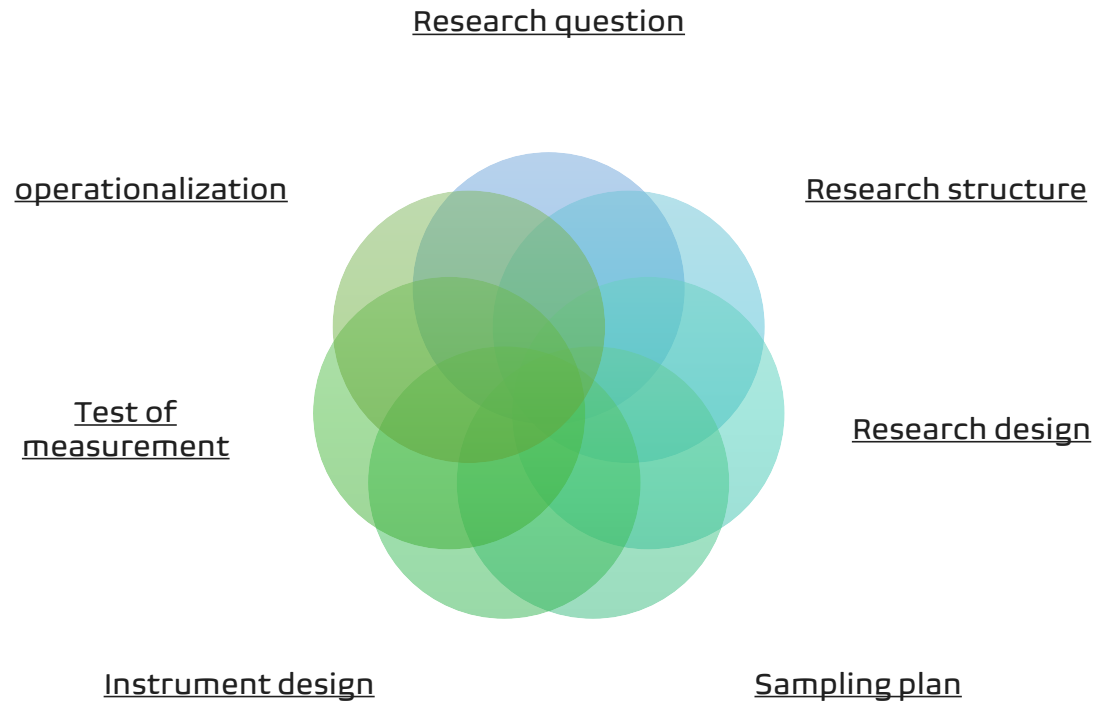




COURSE STRATEGY

✓ PRINCIPLE OF THE COURSE

- COURSE STRATEGY
- PROJECT & TIMELINE
- PROGRAMMING & STRUCTURE
- DEVELOPMENT – EXECUTION & MAINTENANCE





PROJECT & TIMELINE



- ✓ Understand the scope of the project
- ✓ Validate the scope with impacted stakeholders
- ✓ Assemble the required resources, gather feedback
- ✓ Set realistic expectations for the project
- ✓ Organize your team and tools and prepare to launch
- ✓ Launch

- COURSE STRATEGY
- **PROJECT & TIMELINE**
- PROGRAMMING & STRUCTURE
- DEVELOPMENT – EXECUTION & MAINTENANCE





PROGRAMMING & STRUCTURE



- ✓ Choose Industry-Specific Coding Standards
- ✓ Focus on Code readability
- ✓ Standardize Headers for Different Modules
- ✓ Don't use a Single Identifier for multiple purposes
- ✓ Turn Daily Backups into an instinct
- ✓ Leave Comments and Prioritize Documentation
- ✓ Try to formalize Exception Handling
- ✓ When choosing standards, think Closed vs. Open

- COURSE STRATEGY
- PROJECT & TIMELINE
- PROGRAMMING & STRUCTURE
- DEVELOPMENT – EXECUTION & MAINTENANCE





DEVELOPMENT- EXECUTION & MAINTENANCE

- ✓ Initiation
- ✓ Planning
- ✓ Execution and control
- ✓ Close-out



- COURSE STRATEGY
- PROJECT & TIMELINE
- PROGRAMMING & STRUCTURE
- DEVELOPMENT – EXECUTION & MAINTENANCE

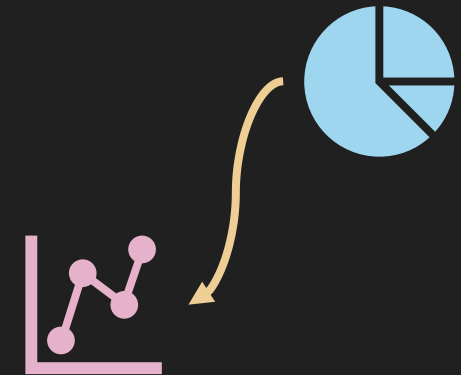




Chapter Two

TECHNICAL SETUP

- ✓ THE UNDERLYING AI PRINCIPLE
- ✓ FRONEND - BACKEND AND DB PRINCIPLES
- ✓ PROJECT SETUP AND ESSENTIALS





THE UNDERLYING AI PRINCIPLE

- ✓ Natural language processing
- ✓ Machine learning
- ✓ Computer vision
- ✓ Robotics
- ✓ Deep learning
- ✓ Data processing
- ✓ Deployment
- ✓ -----
- ✓ AI programming challenges
- ✓ Implementation and integration

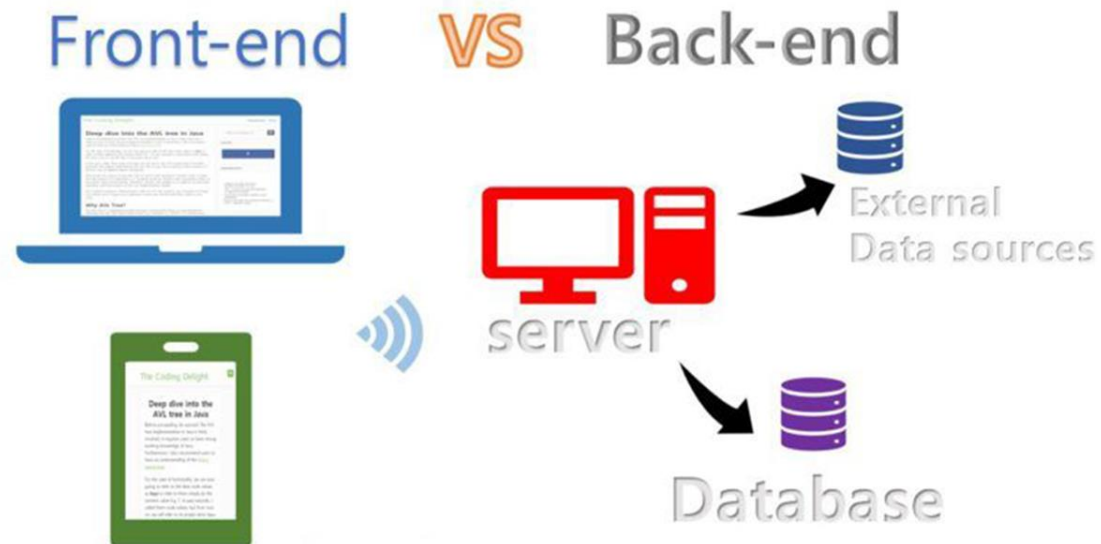
- THE UNDERLYING AI PRINCIPLE
- FRONEND - BACKEND AND DB PRINCIPLES
- PROJECT SETUP AND ESSENTIALS





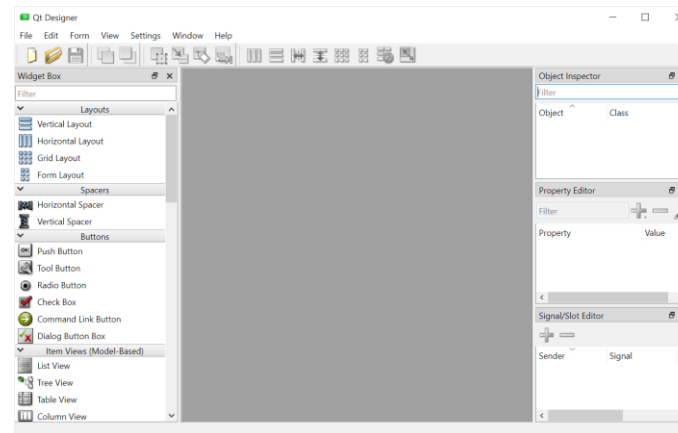
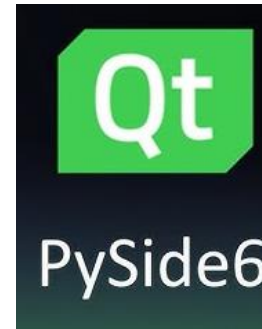
FRONEND - BACKEND AND DB PRINCIPLES

- THE UNDERLYING AI PRINCIPLE
- FRONEND - BACKEND AND DB PRINCIPLES
- PROJECT SETUP AND ESSENTIALS



PROJECT SETUP AND ESSENTIALS

- ✓ PYTHON
- ✓ SQLITE 3
- ✓ PYSIDE6
- ✓ QT DESIGNER



Chapter Two

TECHNICAL SETUP

- THE UNDERLYING AI PRINCIPLE
- FRONEND - BACKEND AND DB PRINCIPLES
- PROJECT SETUP AND ESSENTIALS





Chapter Three

HCC_V01 PROJECT



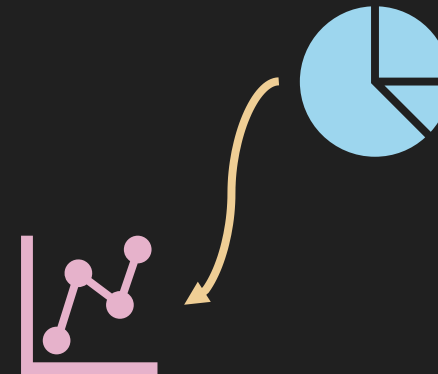
✓ PROJECT INTRODUCTION 



✓ WORKFLOW OF THE PROJECT



✓ PROJECT EXECUTION

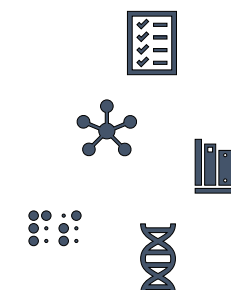
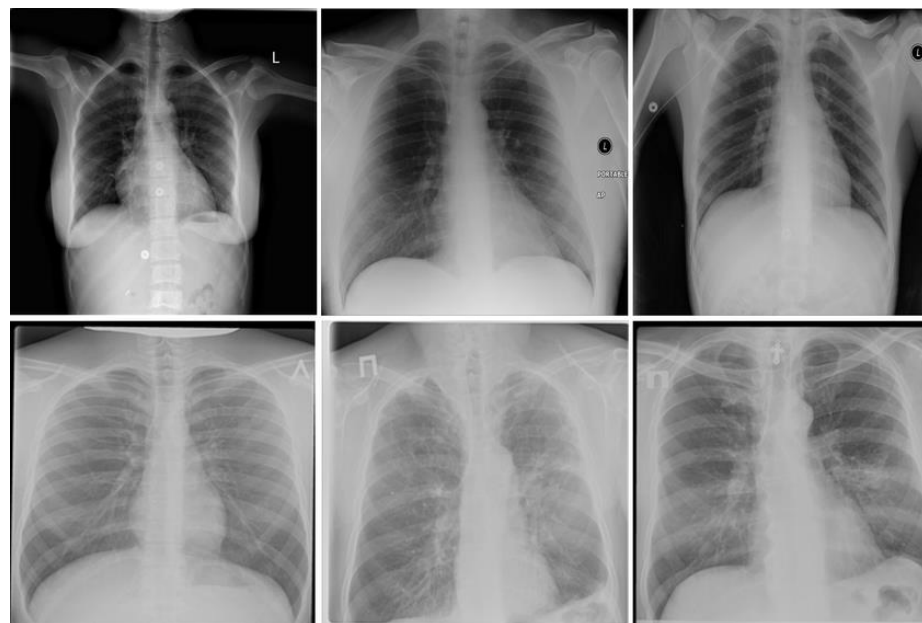




PROJECT INTRODUCTION

- PROJECT INTRODUCTION
- WORKFLOW OF THE PROJECT
- PROJECT EXECUTION

- ✓ THE STORY OF THE CHEST X-RAY IMAGE DATASET
- ✓ ESSENTIAL INTRODUCTION
- ✓ THE PROBLEM
- ✓ THE PROPOSED FRAMEWORK





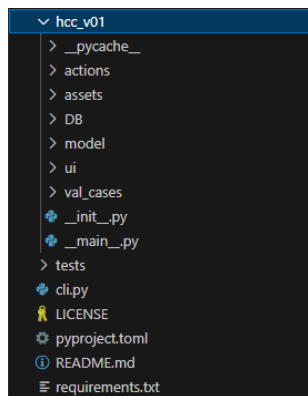
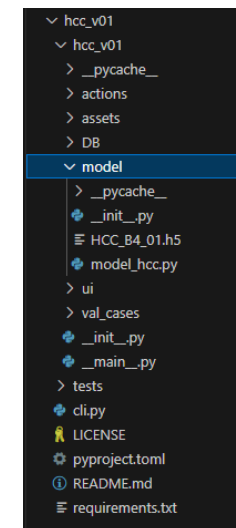
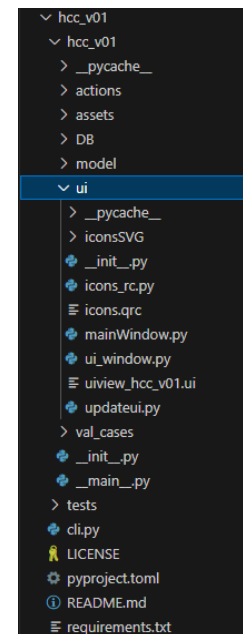
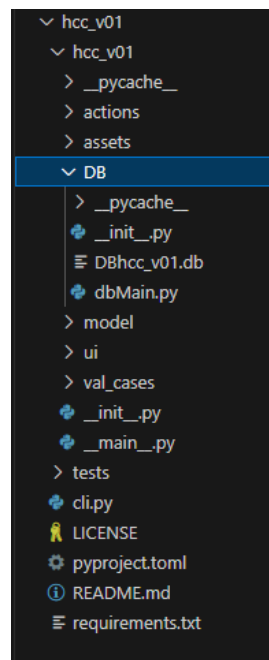
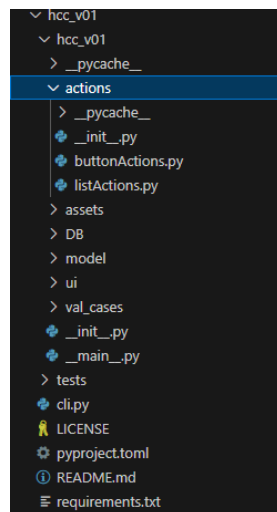
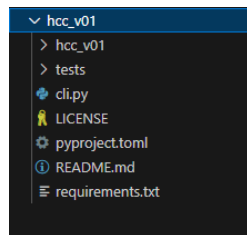
WORKFLOW OF THE PROJECT



Chapter Three

HCC_V01 PROJECT

- PROJECT INTRODUCTION
- WORKFLOW OF THE PROJECT
- PROJECT EXECUTION

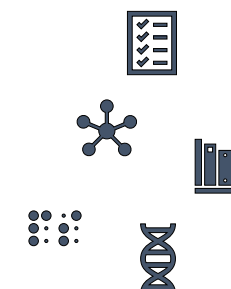
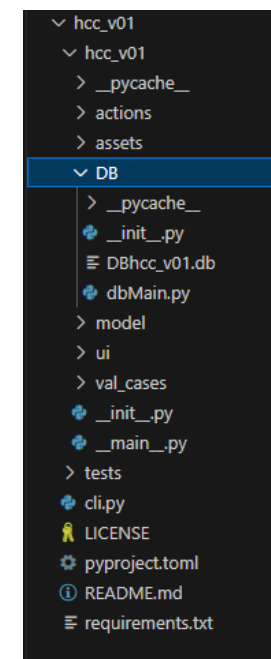
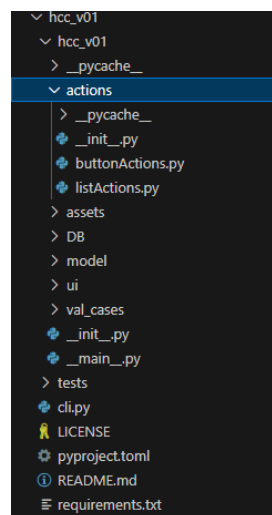
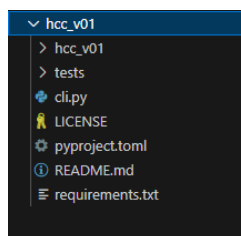
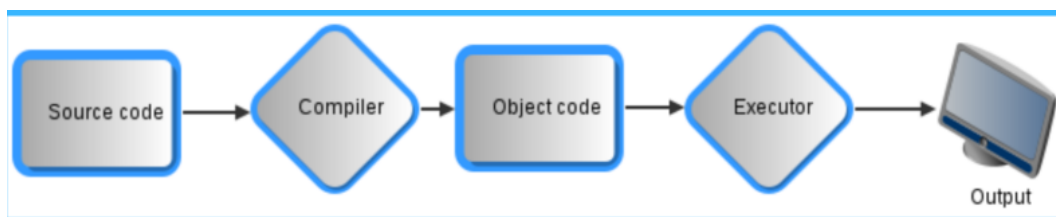




PROJECT EXECUTION



- PROJECT INTRODUCTION
- WORKFLOW OF THE PROJECT
- PROJECT EXECUTION





Chapter Four

FSP_V01 PROJECT

✓ PROJECT INTRODUCTION



✓ WORKFLOW OF THE PROJECT



✓ PROJECT EXECUTION

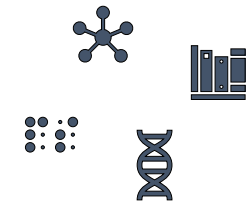


PROJECT INTRODUCTION

STATISTICS, PROBABILITY, PREDICTION

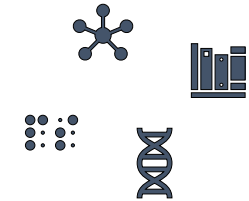
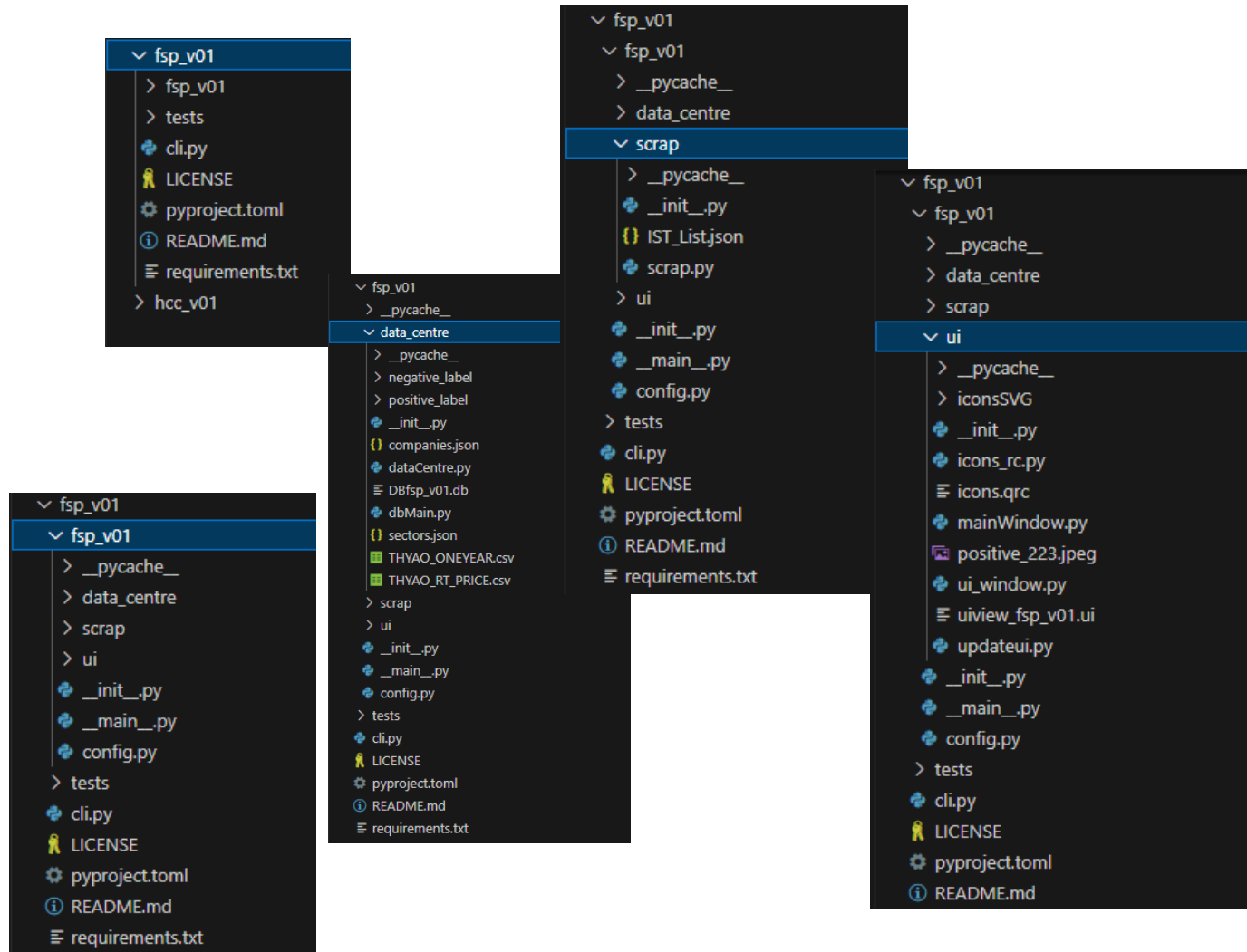
- PROJECT INTRODUCTION
- WORKFLOW OF THE PROJECT
- PROJECT EXECUTION

- ✓ The IST STOCK
- ✓ THE PRINCIPLE OF STOCK AND HISTORICAL DATA ANALYSIS
- ✓ INTOR TO THE PROJECT



WORKFLOW OF THE PROJECT

- PROJECT INTRODUCTION
- WORKFLOW OF THE PROJECT
- PROJECT EXECUTION



PROJECT EXECUTION

- PROJECT INTRODUCTION
- WORKFLOW OF THE PROJECT
- PROJECT EXECUTION

