

JDNET TECHNOLOGIES

(ISO 9001:2015 CERTIFIED INSTITUTION)

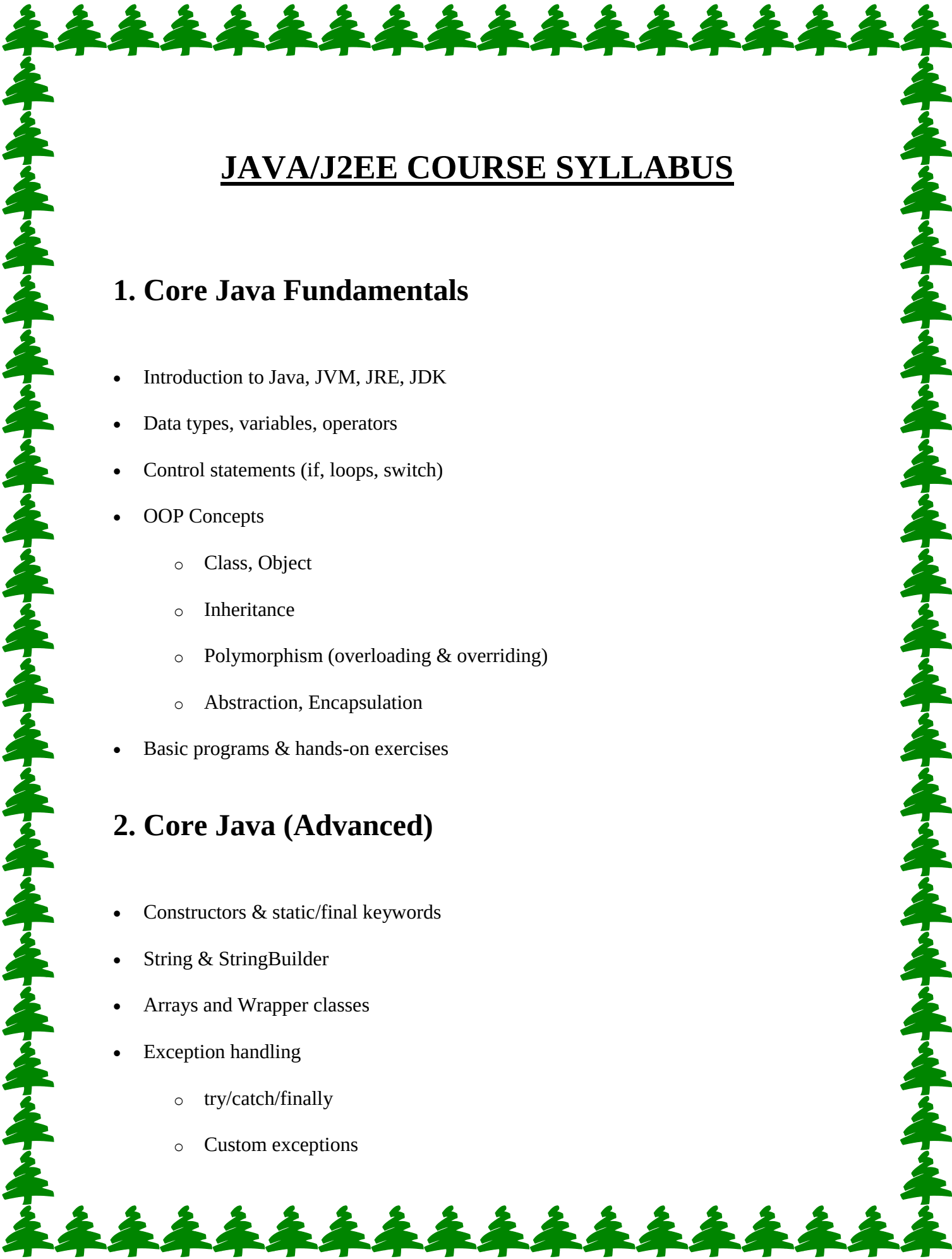
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JAVA/J2EE



TRAINING COURSES FOR ALL DEPARTMENTS



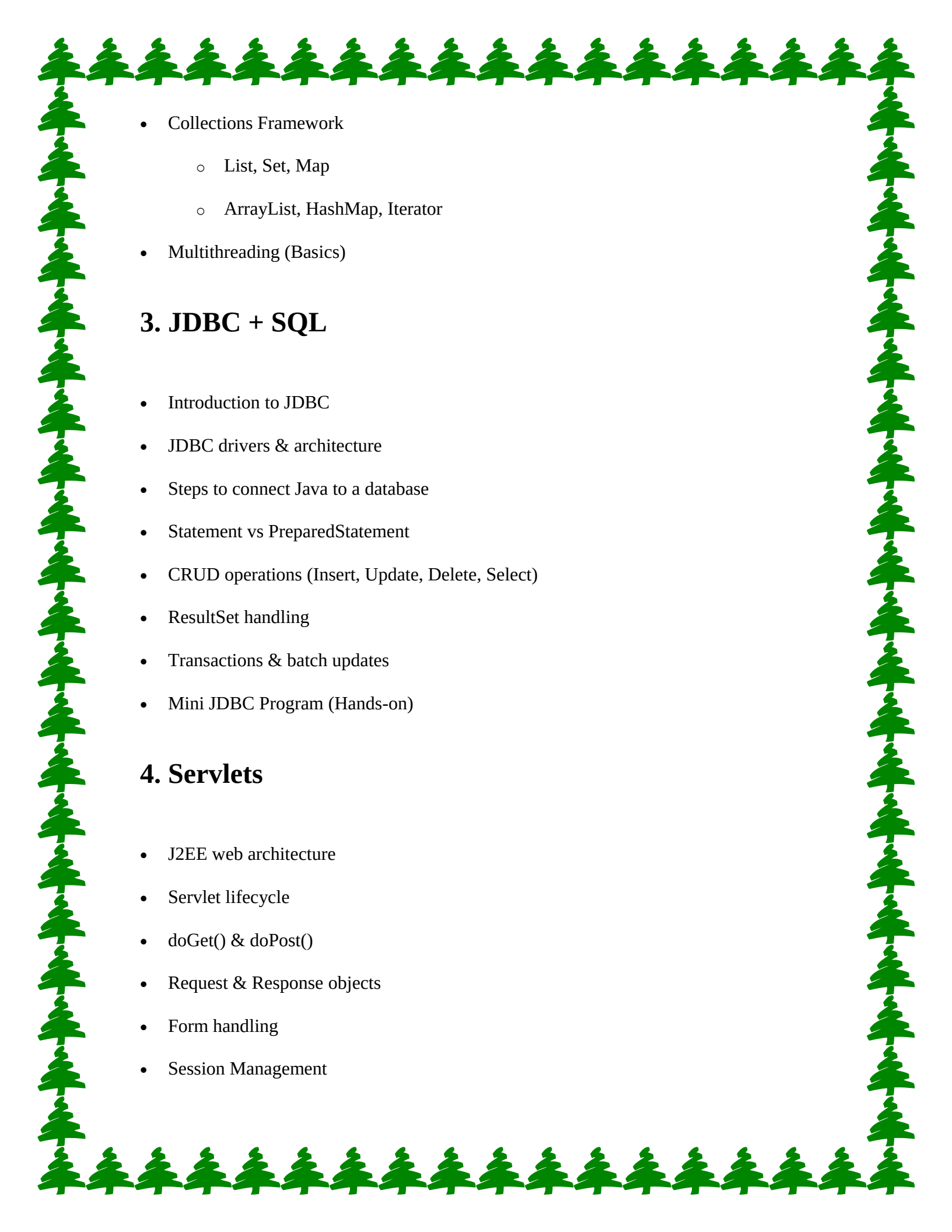
JAVA/J2EE COURSE SYLLABUS

1. Core Java Fundamentals

- Introduction to Java, JVM, JRE, JDK
- Data types, variables, operators
- Control statements (if, loops, switch)
- OOP Concepts
 - Class, Object
 - Inheritance
 - Polymorphism (overloading & overriding)
 - Abstraction, Encapsulation
- Basic programs & hands-on exercises

2. Core Java (Advanced)

- Constructors & static/final keywords
- String & StringBuilder
- Arrays and Wrapper classes
- Exception handling
 - try/catch/finally
 - Custom exceptions

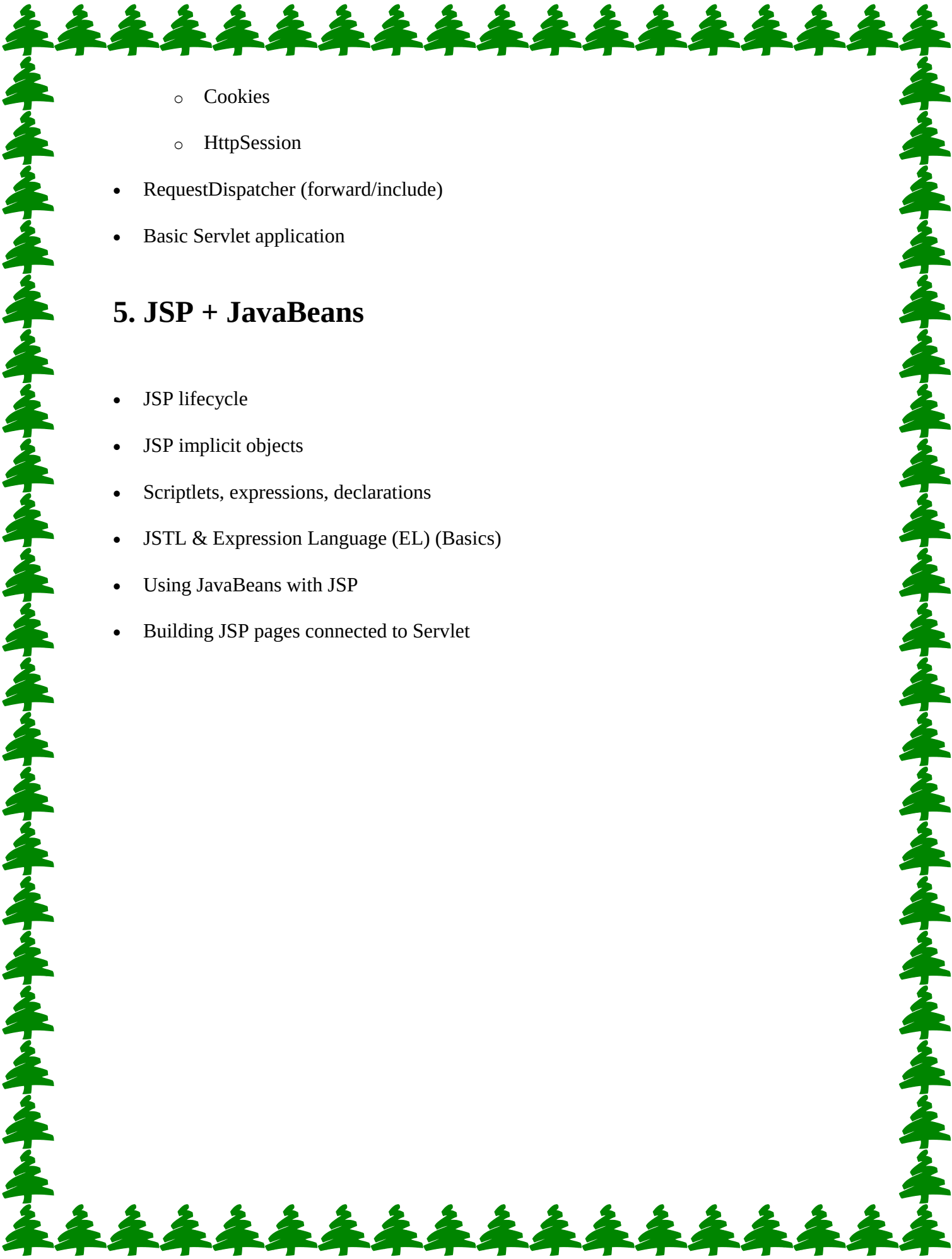
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- Collections Framework
 - List, Set, Map
 - ArrayList, HashMap, Iterator
 - Multithreading (Basics)

3. JDBC + SQL

- Introduction to JDBC
- JDBC drivers & architecture
- Steps to connect Java to a database
- Statement vs PreparedStatement
- CRUD operations (Insert, Update, Delete, Select)
- ResultSet handling
- Transactions & batch updates
- Mini JDBC Program (Hands-on)

4. Servlets

- J2EE web architecture
- Servlet lifecycle
- doGet() & doPost()
- Request & Response objects
- Form handling
- Session Management

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- Cookies
 - HttpSession
 - RequestDispatcher (forward/include)
 - Basic Servlet application

5. JSP + JavaBeans

- JSP lifecycle
- JSP implicit objects
- Scriptlets, expressions, declarations
- JSTL & Expression Language (EL) (Basics)
- Using JavaBeans with JSP
- Building JSP pages connected to Servlet



Connect With Us

JDNET TECHNOLOGIES

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