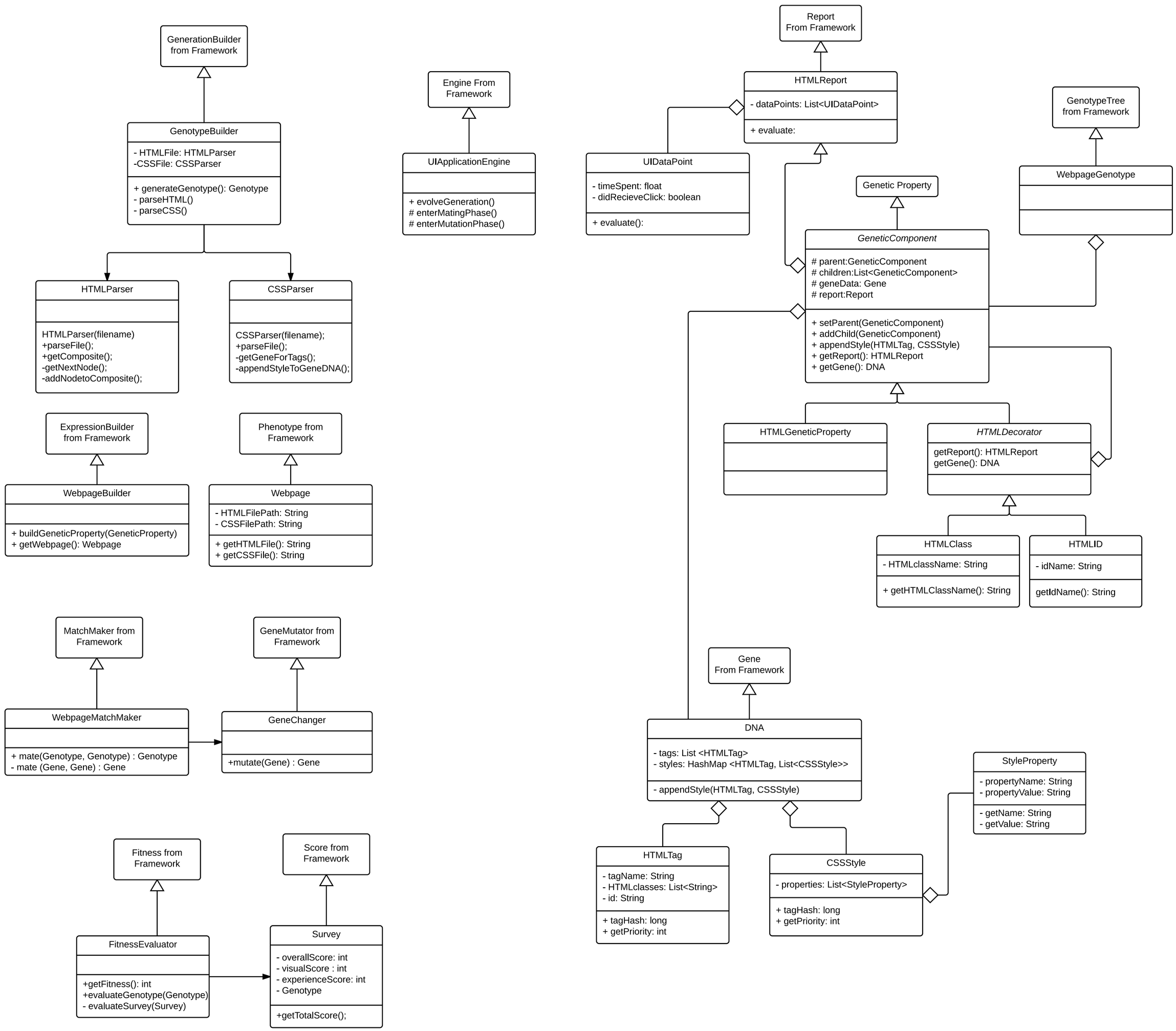
GenerationBuilder from Framework
GenotypeBuilder
- HTMLFile: HTMLParser
-CSSFile: CSSParser
+ generateGenotype(): Genotype
- parseHTML()
- parseCSS()
HTMLParser
HTMLParser(filename)
+parseFile();
+getComposite();
-getNextNode();
-addNodetoComposite();
CSSParser
CSSParser(filename);
+parseFile();
-getGeneForTags();
-appendStyleToGeneDNA();
Engine From Framework
UIApplicationEngine
+ evolveGeneration()
# enterMatingPhase()
# enterMutationPhase()
Report From Framework
HTMLReport
- dataPoints: List<UIDataPoint>
+ evaluate:
UIDataPoint
- timeSpent: float
- didRecieveClick: boolean
+ evaluate():
GenotypeTree from Framework
WebpageGenotype
Genetic Property
GeneticComponent
parent:GeneticComponent
children:List<GeneticComponent>
geneData: Gene
report:Report
+ setParent(GeneticComponent)
+ addChild(GeneticComponent)
+ appendStyle(HTMLTag, CSSStyle)
+ getReport(): HTMLReport
+ getGene(): DNA
HTMLGeneticProperty
HTMLDecorator
getReport(): HTMLReport
getGene(): DNA
HTMLClass
- HTMLclassName: String
+ getHTMLClassName(): String
HTMLID
- idName: String
getIdName(): String
ExpressionBuilder from Framework
WebpageBuilder
+ buildGeneticProperty(GeneticProperty)
+ getWebpage(): Webpage
Phenotype from Framework
Webpage
- HTMLFilePath: String
- CSSFilePath: String
+ getHTMLFile(): String
+ getCSSFile(): String
MatchMaker from Framework
WebpageMatchMaker
+ mate(Genotype, Genotype) : Genotype
- mate (Gene, Gene) : Gene
GeneMutator from Framework
GeneChanger
+mutate(Gene) : Gene
Gene From Framework
DNA
- tags: List <HTMLTag>
- styles: HashMap <HTMLTag, List<CSSStyle>>
- appendStyle(HTMLTag, CSSStyle)
StyleProperty
- propertyName: String
- propertyValue: String
- getName: String
- getValue: String
HTMLTag
- tagName: String
- HTMLclasses: List<String>
- id: String
+ tagHash: long
+ getPriority: int
CSSStyle
- properties: List<StyleProperty>
+ tagHash: long
+ getPriority: int
Fitness from Framework
FitnessEvaluator
+getFitness(): int
+evaluateGenotype(Genotype)
- evaluateSurvey(Survey)
Score from Framework
Survey
- overallScore: int
- visualScore : int
- experienceScore: int
- Genotype
+getTotalScore();